

4 個の数字で式を作る (数字は単独で使う)

ルール、ファイルの説明

1. 指定された 4 個の数字と、 $+$ $-$ $\times$ $\div$ と $()$ を用いて、1 から 10 までの答えをもつ計算式を作ります。
2. 4 個の数字を使っていれば、その順番は自由です。
3. 数字は、ひとつずつ使います。ならべて二けたの数などにしてはいけません。
4. $+$ $-$ $\times$ $\div$ と $()$ は、計算の式になっている限り同じものを何度使っても良い事とします。
5. 以下のページにある解答例はあくまで一部です。

数字の組・一覧

1 1 1 4	1 1 1 5	1 1 1 6	1 1 2 3
1 1 2 4	1 1 2 5	1 1 2 6	1 1 3 3
1 1 3 4	1 1 3 5	1 1 3 6	1 1 3 7
1 1 3 8	1 1 3 9	1 1 4 4	1 1 4 5
1 1 4 6	1 1 5 6	1 2 2 2	1 2 2 3
1 2 2 4	1 2 2 5	1 2 2 6	1 2 2 7
1 2 2 8	1 2 2 9	1 2 3 3	1 2 3 4
1 2 3 5	1 2 3 6	1 2 3 7	1 2 3 8
1 2 3 9	1 2 4 4	1 2 4 5	1 2 4 6
1 2 4 7	1 2 4 8	1 2 4 9	1 2 5 5
1 2 5 6	1 2 5 7	1 2 5 8	1 2 5 9
1 2 6 6	1 2 6 7	1 2 6 8	1 2 6 9
1 2 7 7	1 2 7 8	1 2 7 9	1 2 8 8
1 2 8 9	1 2 9 9	1 3 3 3	1 3 3 4
1 3 3 5	1 3 3 6	1 3 3 7	1 3 3 8
1 3 3 9	1 3 4 4	1 3 4 5	1 3 4 6
1 3 4 7	1 3 4 8	1 3 4 9	1 3 5 5
1 3 5 6	1 3 5 7	1 3 5 8	1 3 5 9
1 3 6 6	1 3 6 7	1 3 6 8	1 3 6 9
1 3 7 9	1 4 4 5	1 4 4 6	1 4 4 8
1 4 5 5	1 4 5 6	1 4 5 7	1 4 5 8
1 4 5 9	1 4 6 6	1 4 6 7	1 4 6 8
1 4 6 9	1 4 7 9	1 4 8 8	1 5 5 7

1 5 6 6	1 5 6 7	1 5 6 8	1 5 7 7
1 5 7 9	1 6 6 8	1 6 7 8	1 6 8 8
1 7 7 9	1 7 8 9	1 7 9 9	2 2 2 3
2 2 2 4	2 2 2 5	2 2 2 6	2 2 2 7
2 2 2 8	2 2 2 9	2 2 3 3	2 2 3 4
2 2 3 5	2 2 3 6	2 2 3 7	2 2 3 8
2 2 3 9	2 2 4 4	2 2 4 5	2 2 4 6
2 2 4 7	2 2 4 8	2 2 4 9	2 2 5 5
2 2 5 6	2 2 5 8	2 2 5 9	2 2 6 6
2 2 6 7	2 2 6 8	2 2 6 9	2 2 7 7
2 2 7 8	2 2 7 9	2 2 8 8	2 2 8 9
2 2 9 9	2 3 3 3	2 3 3 4	2 3 3 5
2 3 3 6	2 3 3 7	2 3 3 8	2 3 3 9
2 3 4 4	2 3 4 5	2 3 4 6	2 3 4 7
2 3 4 8	2 3 4 9	2 3 5 5	2 3 5 6
2 3 5 7	2 3 5 8	2 3 5 9	2 3 6 6
2 3 6 7	2 3 6 8	2 3 6 9	2 3 7 7
2 3 7 8	2 3 7 9	2 3 8 8	2 3 8 9
2 3 9 9	2 4 4 4	2 4 4 5	2 4 4 6
2 4 4 7	2 4 4 8	2 4 4 9	2 4 5 5
2 4 5 6	2 4 5 7	2 4 5 8	2 4 5 9
2 4 6 6	2 4 6 7	2 4 6 8	2 4 6 9
2 4 7 7	2 4 7 8	2 4 7 9	2 4 8 8
2 4 8 9	2 4 9 9	2 5 5 5	2 5 5 6
2 5 5 7	2 5 5 8	2 5 5 9	2 5 6 6
2 5 6 7	2 5 6 8	2 5 6 9	2 5 7 7
2 5 7 8	2 5 7 9	2 5 8 8	2 5 8 9
2 5 9 9	2 6 6 6	2 6 6 7	2 6 6 8
2 6 6 9	2 6 7 7	2 6 7 8	2 6 7 9
2 6 8 8	2 6 8 9	2 6 9 9	2 7 7 7
2 7 7 8	2 7 7 9	2 7 8 8	2 7 8 9
2 7 9 9	2 8 8 8	2 8 8 9	2 8 9 9
2 9 9 9	3 3 3 3	3 3 3 4	3 3 3 5
3 3 3 6	3 3 3 7	3 3 3 8	3 3 3 9

3 3 4 4	3 3 4 5	3 3 4 6	3 3 4 7
3 3 4 8	3 3 4 9	3 3 5 5	3 3 5 6
3 3 5 7	3 3 5 8	3 3 5 9	3 3 6 6
3 3 6 7	3 3 6 8	3 3 6 9	3 3 7 8
3 3 7 9	3 3 8 8	3 3 8 9	3 3 9 9
3 4 4 5	3 4 4 6	3 4 4 7	3 4 4 8
3 4 4 9	3 4 5 5	3 4 5 6	3 4 5 8
3 4 6 6	3 4 6 7	3 4 6 8	3 4 6 9
3 4 7 8	3 4 7 9	3 4 8 8	3 4 8 9
3 5 5 5	3 5 5 6	3 5 5 7	3 5 5 8
3 5 5 9	3 5 6 6	3 5 6 7	3 5 6 9
3 5 7 8	3 5 7 9	3 5 8 9	3 6 6 8
3 6 7 7	3 6 7 8	3 6 7 9	3 6 8 9
3 6 9 9	3 7 8 9	3 7 9 9	4 4 4 5
4 4 4 6	4 4 4 8	4 4 5 6	4 4 5 7
4 4 5 8	4 4 6 6	4 4 6 7	4 4 6 8
4 4 6 9	4 4 7 8	4 4 7 9	4 4 8 8
4 4 8 9	4 5 5 6	4 5 6 6	4 5 6 7
4 5 6 8	4 5 7 8	4 5 8 8	4 6 6 8
4 6 6 9	4 6 7 9	4 6 8 8	4 6 8 9
5 5 5 6	5 5 6 7	5 5 6 8	5 5 7 8
5 6 6 7	5 6 7 7	5 6 7 9	5 6 8 9

解答例

1 1 1 4

$1 + (1 - 1) \times 4 = 1$	$1 \div (1 + 1) \times 4 = 2$ $1 \times (4 - (1 + 1)) = 2$	$1 \times 1 \times (4 - 1) = 3$ $1 \times (1 \times 4 - 1) = 3$ $1 \times 1 \times 4 - 1 = 3$	$1 \times 1 \times 1 \times 4 = 4$ $1 \div (1 \times 1 \div 4) = 4$ $1 \times (1 - 1 + 4) = 4$	$1 \times 1 \times (1 + 4) = 5$ $1 \times (1 + 1 \times 4) = 5$ $1 + 1 \times 1 \times 4 = 5$
$1 \times (1 + 1 + 4) = 6$ $1 + 1 \times (1 + 4) = 6$ $1 + 1 + 1 \times 4 = 6$	$1 + 1 + 1 + 4 = 7$	$1 \times (1 + 1) \times 4 = 8$ $(1 + 1 \times 1) \times 4 = 8$	$1 + (1 + 1) \times 4 = 9$	$(1 + 1) \times (1 + 4) = 10$

1 1 1 5

$1 + (1 - 1) \times 5 = 1$	$5 - (1 + 1 + 1) = 2$	$1 \times (5 - (1 + 1)) = 3$ $1 \times (5 - 1 - 1) = 3$	$1 \times 1 \times (5 - 1) = 4$ $1 \times (1 \times 5 - 1) = 4$ $1 \times 1 \times 5 - 1 = 4$	$1 \times 1 \times 1 \times 5 = 5$ $1 \div (1 \times 1 \div 5) = 5$ $1 \times (1 - 1 + 5) = 5$
$1 \times 1 \times (1 + 5) = 6$ $1 \times (1 + 1 \times 5) = 6$ $1 + 1 \times 1 \times 5 = 6$	$1 \times (1 + 1 + 5) = 7$ $1 + 1 \times (1 + 5) = 7$ $1 + 1 + 1 \times 5 = 7$	$1 + 1 + 1 + 5 = 8$	$(1 + 1) \times 5 - 1 = 9$	$1 \times (1 + 1) \times 5 = 10$ $(1 + 1 \times 1) \times 5 = 10$

1 1 1 6

$1 + (1 - 1) \times 6 = 1$	$6 \div (1 + 1 + 1) = 2$	$1 \div (1 + 1) \times 6 = 3$ $1 \times 6 \div (1 + 1) = 3$	$1 \times (6 - (1 + 1)) = 4$ $1 + 6 \div (1 + 1) = 4$ $1 \times (6 - 1 - 1) = 4$	$1 \times 1 \times (6 - 1) = 5$ $1 \times (1 \times 6 - 1) = 5$ $1 \times 1 \times 6 - 1 = 5$
$1 \times 1 \times 1 \times 6 = 6$ $1 \div (1 \times 1 \div 6) = 6$ $1 \times (1 - 1 + 6) = 6$	$1 \times 1 \times (1 + 6) = 7$ $1 \times (1 + 1 \times 6) = 7$ $1 + 1 \times 1 \times 6 = 7$	$1 \times (1 + 1 + 6) = 8$ $1 + 1 \times (1 + 6) = 8$ $1 + 1 + 1 \times 6 = 8$	$1 + 1 + 1 + 6 = 9$	$(1 + 1) \times (6 - 1) = 10$

1 1 2 3

$1 + 1 + 2 - 3 = 1$ $1 \times (1 + 2) \div 3 = 1$	$1 + (1 + 2) \div 3 = 2$ $1 \times (1 + 3 - 2) = 2$ $1 + 1 \times (3 - 2) = 2$	$1 \div (1 - 2 \div 3) = 3$ $1 + 1 - 2 + 3 = 3$ $(1 + 1) \div 2 \times 3 = 3$	$(1 + 1) \div 2 + 3 = 4$ $(1 + 1) \times 3 - 2 = 4$ $1 \times (2 - 1 + 3) = 4$	$1 \times 1 \times (2 + 3) = 5$ $1 \times (1 \times 2 + 3) = 5$ $1 \times 1 \times 2 + 3 = 5$
$1 \times (1 + 2 + 3) = 6$ $1 + 1 \times (2 + 3) = 6$ $1 \times 1 \times 2 \times 3 = 6$	$1 + 1 + 2 + 3 = 7$ $1 \times (1 + 2 \times 3) = 7$ $1 + 1 \times 2 \times 3 = 7$	$1 + 1 + 2 \times 3 = 8$	$1 \times (1 + 2) \times 3 = 9$ $(1 + 1 \times 2) \times 3 = 9$	$1 + (1 + 2) \times 3 = 10$ $(1 + 1) \times (2 + 3) = 10$ $(1 + 1 + 3) \times 2 = 10$

1 1 2 4

$(1 + 1 + 2) \div 4 = 1$ $(1 + 1) \times 2 \div 4 = 1$	$1 \div (1 - 2 \div 4) = 2$ $1 \div (1 \times 2 \div 4) = 2$ $1 \times 1 \div 2 \times 4 = 2$	$1 + 1 \div 2 \times 4 = 3$ $1 \times (1 + 4 - 2) = 3$ $1 + 1 \times (4 - 2) = 3$	$1 + 1 - 2 + 4 = 4$ $(1 + 1) \div 2 \times 4 = 4$ $(1 - 1) \times 2 + 4 = 4$	$(1 + 1) \div 2 + 4 = 5$ $1 \times (2 - 1 + 4) = 5$ $1 + (2 - 1) \times 4 = 5$
$1 \times 1 \times (2 + 4) = 6$ $1 \times (1 \times 2 + 4) = 6$ $1 \times 1 \times 2 + 4 = 6$	$1 \times (1 + 2 + 4) = 7$ $1 + 1 \times (2 + 4) = 7$	$1 + 1 + 2 + 4 = 8$ $1 \times 1 \times 2 \times 4 = 8$	$1 \times (1 + 2 \times 4) = 9$ $1 + 1 \times 2 \times 4 = 9$	$1 + 1 + 2 \times 4 = 10$

1 1 2 5

$5 - (1 + 1 + 2) = 1$ $5 - (1 + 1) \times 2 = 1$	$(1 - 1) \times 5 + 2 = 2$ $1 \div 2 \times (5 - 1) = 2$ $1 \times (5 - (1 + 2)) = 2$	$1 \times 1 \times (5 - 2) = 3$ $1 \times (1 + 5) \div 2 = 3$ $1 \times (1 \times 5 - 2) = 3$	$1 \times (1 + 5 - 2) = 4$ $1 + 1 \times (5 - 2) = 4$	$1 + 1 - 2 + 5 = 5$ $(1 + 1) \div 2 \times 5 = 5$ $(1 - 1) \times 2 + 5 = 5$
$(1 + 1) \div 2 + 5 = 6$ $(1 + 1) \times (5 - 2) = 6$ $1 \times (2 - 1 + 5) = 6$	$1 \times 1 \times (2 + 5) = 7$ $1 \times (1 \times 2 + 5) = 7$ $1 \times 1 \times 2 + 5 = 7$	$1 \times (1 + 2 + 5) = 8$ $1 + 1 \times (2 + 5) = 8$	$1 + 1 + 2 + 5 = 9$	$1 \times 1 \times 2 \times 5 = 10$

1 1 2 6

$6 \div (1 + 1) - 2 = 1$	$1 \div (1 + 2) \times 6 = 2$ $(1 - 1) \times 6 + 2 = 2$	$1 \div (1 \times 2 \div 6) = 3$ $1 \times 1 \div 2 \times 6 = 3$ $1 \div (1 \times 2) \times 6 = 3$	$1 + 1 \div 2 \times 6 = 4$ $1 \times 1 \times (6 - 2) = 4$ $1 \times (1 + 6 \div 2) = 4$	$1 \times (1 + 6 - 2) = 5$ $1 + 1 \times (6 - 2) = 5$ $1 + 1 + 6 \div 2 = 5$
$1 + 1 - 2 + 6 = 6$ $(1 + 1) \div 2 \times 6 = 6$ $(1 - 1) \times 2 + 6 = 6$	$(1 + 1) \div 2 + 6 = 7$ $1 \times (2 - 1 + 6) = 7$ $1 + (2 - 1) \times 6 = 7$	$1 \times 1 \times (2 + 6) = 8$ $1 \times (1 \times 2 + 6) = 8$ $1 \times 1 \times 2 + 6 = 8$	$1 \times (1 + 2 + 6) = 9$ $1 + 1 \times (2 + 6) = 9$	$1 + 1 + 2 + 6 = 10$

1133

$$\begin{array}{l} 1 \times (1 + 3 - 3) = 1 \\ 1 + 1 \times (3 - 3) = 1 \\ 1 + 1 - 3 \div 3 = 1 \end{array}$$

$$\begin{array}{l} 1 \times 1 \times (3 + 3) = 6 \\ 1 \times (1 \times 3 + 3) = 6 \\ 1 \times 1 \times 3 + 3 = 6 \end{array}$$

$$\begin{array}{l} 1 + 1 + 3 - 3 = 2 \\ 1 \times (1 + 3 \div 3) = 2 \\ 1 + 1 \times 3 \div 3 = 2 \end{array}$$

$$\begin{array}{l} 1 \times (1 + 3 + 3) = 7 \\ 1 + 1 \times (3 + 3) = 7 \end{array}$$

$$\begin{array}{l} 1 + 1 + 3 \div 3 = 3 \\ (1 + 1) \times 3 - 3 = 3 \end{array}$$

$$1 + 1 + 3 + 3 = 8$$

$$(1 + 1 \div 3) \times 3 = 4$$

$$1 \times 1 \times 3 \times 3 = 9$$

$$\begin{array}{l} 1 \times (3 - 1 + 3) = 5 \\ 1 \times 3 - 1 + 3 = 5 \end{array}$$

$$\begin{array}{l} 1 \times (1 + 3 \times 3) = 10 \\ 1 + 1 \times 3 \times 3 = 10 \end{array}$$

1134

$$\begin{array}{l} 1 + 1 + 3 - 4 = 1 \\ 1 \times (1 + 3) \div 4 = 1 \end{array}$$

$$\begin{array}{l} 1 \times (3 - 1 + 4) = 6 \\ 1 \times 3 - 1 + 4 = 6 \end{array}$$

$$\begin{array}{l} 1 + (1 + 3) \div 4 = 2 \\ (1 + 1) \times 3 - 4 = 2 \\ 1 \times (1 + 4 - 3) = 2 \end{array}$$

$$\begin{array}{l} 1 \times 1 \times (3 + 4) = 7 \\ 1 \times (1 \times 3 + 4) = 7 \\ 1 \times 1 \times 3 + 4 = 7 \end{array}$$

$$1 + 1 + 4 - 3 = 3$$

$$\begin{array}{l} 1 \times (1 + 3 + 4) = 8 \\ 1 + 1 \times (3 + 4) = 8 \end{array}$$

$$\begin{array}{l} 1 \div (1 - 3 \div 4) = 4 \\ (1 - 1) \times 3 + 4 = 4 \end{array}$$

$$1 + 1 + 3 + 4 = 9$$

$$\begin{array}{l} (1 + 1) \times 4 - 3 = 5 \\ 3 - (1 + 1) + 4 = 5 \\ 3 - 1 - 1 + 4 = 5 \end{array}$$

$$\begin{array}{l} (1 + 1) \times 3 + 4 = 10 \\ 1 + 3 \times (4 - 1) = 10 \end{array}$$

1135

$$\begin{array}{l} (1 + 1 + 3) \div 5 = 1 \\ (1 + 1) \times 3 - 5 = 1 \end{array}$$

$$\begin{array}{l} 3 - (1 + 1) + 5 = 6 \\ 3 - 1 - 1 + 5 = 6 \end{array}$$

$$\begin{array}{l} 1 \times 1 \times (5 - 3) = 2 \\ 1 \times (1 + 5) \div 3 = 2 \\ 1 \times (1 \times 5 - 3) = 2 \end{array}$$

$$\begin{array}{l} (1 + 1) \times 5 - 3 = 7 \\ 1 \times (3 - 1 + 5) = 7 \end{array}$$

$$\begin{array}{l} 1 \times (1 + 5 - 3) = 3 \\ 1 + 1 \times (5 - 3) = 3 \end{array}$$

$$\begin{array}{l} 1 \times 1 \times (3 + 5) = 8 \\ 1 \times (1 \times 3 + 5) = 8 \\ 1 \times 1 \times 3 + 5 = 8 \end{array}$$

$$1 + 1 + 5 - 3 = 4$$

$$\begin{array}{l} 1 \times (1 + 3 + 5) = 9 \\ 1 + 1 \times (3 + 5) = 9 \end{array}$$

$$\begin{array}{l} (1 - 1) \times 3 + 5 = 5 \\ (3 - (1 + 1)) \times 5 = 5 \end{array}$$

$$1 + 1 + 3 + 5 = 10$$

1136

$$(1 + 1) \times 3 \div 6 = 1$$

$$\begin{array}{l} (1 - 1) \times 3 + 6 = 6 \\ (1 + 1) \times (6 - 3) = 6 \end{array}$$

$$\begin{array}{l} 1 \div (1 - 3 \div 6) = 2 \\ 1 \div (1 \times 3 \div 6) = 2 \\ 1 \times 1 \div 3 \times 6 = 2 \end{array}$$

$$\begin{array}{l} 3 - (1 + 1) + 6 = 7 \\ 3 - 1 - 1 + 6 = 7 \end{array}$$

$$\begin{array}{l} 1 + 1 \div 3 \times 6 = 3 \\ 1 \times 1 \times (6 - 3) = 3 \\ 1 \times (1 + 6 \div 3) = 3 \end{array}$$

$$\begin{array}{l} (1 + 1 \div 3) \times 6 = 8 \\ 1 \times (3 - 1 + 6) = 8 \end{array}$$

$$\begin{array}{l} (1 - 1 \div 3) \times 6 = 4 \\ (1 + 1) \div 3 \times 6 = 4 \\ 1 \times (1 + 6 - 3) = 4 \end{array}$$

$$\begin{array}{l} 1 \times 1 \times (3 + 6) = 9 \\ 1 \times (1 \times 3 + 6) = 9 \\ 1 \times 1 \times 3 + 6 = 9 \end{array}$$

$$1 + 1 + 6 - 3 = 5$$

$$\begin{array}{l} 1 \times (1 + 3 + 6) = 10 \\ 1 + 1 \times (3 + 6) = 10 \end{array}$$

1137

$$\begin{array}{l} 7 - (1 + 1) \times 3 = 1 \\ (7 - 1) \div 3 - 1 = 1 \end{array}$$

$$1 + 1 + 7 - 3 = 6$$

$$\begin{array}{l} 1 \div 3 \times (7 - 1) = 2 \\ 1 \times (7 - 1) \div 3 = 2 \end{array}$$

$$\begin{array}{l} (1 - 1) \times 3 + 7 = 7 \\ (3 - (1 + 1)) \times 7 = 7 \end{array}$$

$$\begin{array}{l} (1 + 1 + 7) \div 3 = 3 \\ (1 - 1) \times 7 + 3 = 3 \end{array}$$

$$\begin{array}{l} (1 + 1) \times (7 - 3) = 8 \\ 3 - (1 + 1) + 7 = 8 \\ 3 - 1 - 1 + 7 = 8 \end{array}$$

$$\begin{array}{l} 1 \times 1 \times (7 - 3) = 4 \\ 1 \times (1 \times 7 - 3) = 4 \\ 1 \times 1 \times 7 - 3 = 4 \end{array}$$

$$\begin{array}{l} 1 \times (3 - 1 + 7) = 9 \\ 1 \times 3 - 1 + 7 = 9 \end{array}$$

$$\begin{array}{l} 1 \times (1 + 7 - 3) = 5 \\ 1 + 1 \times (7 - 3) = 5 \end{array}$$

$$\begin{array}{l} 1 \times 1 \times (3 + 7) = 10 \\ 1 \times (1 \times 3 + 7) = 10 \\ 1 \times 1 \times 3 + 7 = 10 \end{array}$$

1138

$$8 \div (1 + 1) - 3 = 1$$

$$\begin{array}{l} 1 \times (1 + 8 - 3) = 6 \\ 1 + 1 \times (8 - 3) = 6 \end{array}$$

$$1 \div (1 + 3) \times 8 = 2$$

$$1 + 1 + 8 - 3 = 7$$

$$\begin{array}{l} 1 \times (1 + 8) \div 3 = 3 \\ (1 + 1 \times 8) \div 3 = 3 \end{array}$$

$$\begin{array}{l} (1 - 1) \times 3 + 8 = 8 \\ (3 - (1 + 1)) \times 8 = 8 \end{array}$$

$$\begin{array}{l} 1 + (1 + 8) \div 3 = 4 \\ 1 \div (3 - 1) \times 8 = 4 \\ 1 \times (8 - (1 + 3)) = 4 \end{array}$$

$$\begin{array}{l} 3 - (1 + 1) + 8 = 9 \\ 3 - 1 - 1 + 8 = 9 \end{array}$$

$$\begin{array}{l} 1 \times 1 \times (8 - 3) = 5 \\ 1 \times (1 \times 8 - 3) = 5 \\ 1 \times 1 \times 8 - 3 = 5 \end{array}$$

$$\begin{array}{l} (1 + 1) \times (8 - 3) = 10 \\ 1 \times (3 - 1 + 8) = 10 \end{array}$$

1139

$$\begin{array}{l} 9 \div 3 - (1 + 1) = 1 \\ 9 \div 3 - 1 - 1 = 1 \end{array}$$

$$\begin{array}{l} (1 - 1 \div 3) \times 9 = 6 \\ (1 + 1) \div 3 \times 9 = 6 \\ 1 \times 1 \times (9 - 3) = 6 \end{array}$$

$$\begin{array}{l} 1 \div 3 \times 9 - 1 = 2 \\ 1 \times (9 \div 3 - 1) = 2 \end{array}$$

$$\begin{array}{l} 1 \times (1 + 9 - 3) = 7 \\ 1 + 1 \times (9 - 3) = 7 \end{array}$$

$$\begin{array}{l} 1 \div (1 \times 3 \div 9) = 3 \\ 1 \times 1 \div 3 \times 9 = 3 \\ 1 \div (1 \times 3) \times 9 = 3 \end{array}$$

$$1 + 1 + 9 - 3 = 8$$

$$\begin{array}{l} 1 + 1 \div 3 \times 9 = 4 \\ 1 \times (1 + 9 \div 3) = 4 \end{array}$$

$$\begin{array}{l} (1 - 1) \times 3 + 9 = 9 \\ (3 - (1 + 1)) \times 9 = 9 \end{array}$$

$$\begin{array}{l} 1 + 1 + 9 \div 3 = 5 \\ 1 \times (9 - (1 + 3)) = 5 \end{array}$$

$$\begin{array}{l} 3 - (1 + 1) + 9 = 10 \\ 3 - 1 - 1 + 9 = 10 \end{array}$$

1144

$$\begin{array}{l} 1 \times (1 + 4 - 4) = 1 \\ 1 + 1 \times (4 - 4) = 1 \\ 1 + 1 - 4 \div 4 = 1 \end{array}$$

$$\begin{array}{l} 4 - (1 + 1) + 4 = 6 \\ 4 \div (1 + 1) + 4 = 6 \\ 4 - 1 - 1 + 4 = 6 \end{array}$$

$$\begin{array}{l} 1 + 1 + 4 - 4 = 2 \\ 1 \times (1 + 4 \div 4) = 2 \\ 1 + 1 \times 4 \div 4 = 2 \end{array}$$

$$\begin{array}{l} 1 \times (4 - 1 + 4) = 7 \\ 1 \times 4 - 1 + 4 = 7 \end{array}$$

$$\begin{array}{l} 1 + 1 + 4 \div 4 = 3 \\ (1 - 1 \div 4) \times 4 = 3 \end{array}$$

$$\begin{array}{l} 1 \times 1 \times (4 + 4) = 8 \\ 1 \times (1 \times 4 + 4) = 8 \\ 1 \times 1 \times 4 + 4 = 8 \end{array}$$

$$\begin{array}{l} (1 + 1) \times 4 - 4 = 4 \\ 4 + (1 - 1) \times 4 = 4 \end{array}$$

$$\begin{array}{l} 1 \times (1 + 4 + 4) = 9 \\ 1 + 1 \times (4 + 4) = 9 \end{array}$$

$$(1 + 1 \div 4) \times 4 = 5$$

$$1 + 1 + 4 + 4 = 10$$

1 1 4 5

$1 + 1 + 4 - 5 = 1$ $1 \times (1 + 4) \div 5 = 1$	$1 + (1 + 4) \div 5 = 2$ $1 \times (1 + 5 - 4) = 2$ $1 + 1 \times (5 - 4) = 2$	$(1 + 1) \times 4 - 5 = 3$ $1 + 1 + 5 - 4 = 3$	$(1 - 1) \times 5 + 4 = 4$ $1 \div (5 \div 4 - 1) = 4$	$1 \div (1 - 4 \div 5) = 5$ $(1 - 1) \times 4 + 5 = 5$
$(1 + 1) \times 5 - 4 = 6$	$4 - (1 + 1) + 5 = 7$ $4 \div (1 + 1) + 5 = 7$ $4 - 1 - 1 + 5 = 7$	$1 \times (4 - 1 + 5) = 8$ $1 \times 4 - 1 + 5 = 8$	$1 \times 1 \times (4 + 5) = 9$ $1 \times (1 \times 4 + 5) = 9$ $1 \times 1 \times 4 + 5 = 9$	$1 \times (1 + 4 + 5) = 10$ $1 + 1 \times (4 + 5) = 10$

1 1 4 6

$(1 + 1 + 4) \div 6 = 1$ $(1 + 1) \div (6 - 4) = 1$	$(1 + 1) \times 4 - 6 = 2$ $1 \times 1 \times (6 - 4) = 2$ $1 \times (1 \times 6 - 4) = 2$	$1 \div (1 - 4 \div 6) = 3$ $(1 + 1) \div 4 \times 6 = 3$ $1 \times (1 + 6 - 4) = 3$	$1 + 1 + 6 - 4 = 4$	$(4 + 6) \div (1 + 1) = 5$
$(1 - 1) \times 4 + 6 = 6$	$4 + 6 \div (1 + 1) = 7$	$(1 + 1) \times 6 - 4 = 8$ $4 - (1 + 1) + 6 = 8$ $4 \div (1 + 1) + 6 = 8$	$1 \times (4 - 1 + 6) = 9$ $1 \times 4 - 1 + 6 = 9$	$1 \times 1 \times (4 + 6) = 10$ $1 \times (1 \times 4 + 6) = 10$ $1 \times 1 \times 4 + 6 = 10$

1 1 5 6

$1 + 1 + 5 - 6 = 1$ $1 \times (1 + 5) \div 6 = 1$	$1 + (1 + 5) \div 6 = 2$ $1 \times (1 + 6 - 5) = 2$ $1 + 1 \times (6 - 5) = 2$	$1 + 1 + 6 - 5 = 3$	$(1 + 1) \times 5 - 6 = 4$	$(1 - 1) \times 6 + 5 = 5$ $1 \div (6 \div 5 - 1) = 5$
$1 \div (1 - 5 \div 6) = 6$ $(1 - 1) \times 5 + 6 = 6$	$(1 + 1) \times 6 - 5 = 7$	$5 + 6 \div (1 + 1) = 8$	$5 - (1 + 1) + 6 = 9$ $5 - 1 - 1 + 6 = 9$	$1 \times (5 - 1 + 6) = 10$ $1 \times 5 - 1 + 6 = 10$

1 2 2 2

$1 + 2 \times (2 - 2) = 1$ $1 \times (2 - 2 \div 2) = 1$	$1 \times (2 + 2 - 2) = 2$ $1 + 2 - 2 \div 2 = 2$ $1 \times 2 \times 2 \div 2 = 2$	$1 + 2 + 2 - 2 = 3$ $1 \times (2 + 2 \div 2) = 3$ $1 + 2 \times 2 \div 2 = 3$	$1 + 2 + 2 \div 2 = 4$	$(1 \div 2 + 2) \times 2 = 5$
$1 \times (2 + 2 + 2) = 6$ $1 \times (2 + 2 \times 2) = 6$	$1 + 2 + 2 + 2 = 7$ $1 + 2 + 2 \times 2 = 7$	$1 \times 2 \times (2 + 2) = 8$ $1 \times 2 \times 2 \times 2 = 8$	$1 + 2 \times (2 + 2) = 9$ $1 + 2 \times 2 \times 2 = 9$	$(1 + 2 + 2) \times 2 = 10$ $(1 + 2 \times 2) \times 2 = 10$

1 2 2 3

$1 \times (2 + 2 - 3) = 1$ $1 + (2 - 2) \times 3 = 1$ $1 \times (2 \times 2 - 3) = 1$	$1 + 2 + 2 - 3 = 2$ $1 + 2 \times 2 - 3 = 2$	$1 \times (2 - 2 + 3) = 3$ $1 \times 2 \div 2 \times 3 = 3$	$1 + 2 - 2 + 3 = 4$ $1 \times (2 \div 2 + 3) = 4$ $1 + 2 \div 2 \times 3 = 4$	$1 + 2 \div 2 + 3 = 5$ $1 + 2 \times 3 - 2 = 5$
$(1 + 2 \div 2) \times 3 = 6$ $(1 + 3) \times 2 - 2 = 6$ $2 \div (1 - 2 \div 3) = 6$	$1 \times (2 + 2 + 3) = 7$ $1 \times (2 \times 2 + 3) = 7$	$1 + 2 + 2 + 3 = 8$ $1 \times (2 + 2 \times 3) = 8$	$1 + 2 + 2 \times 3 = 9$ $(1 + 2) \times 2 + 3 = 9$	$1 \times 2 \times (2 + 3) = 10$

1 2 2 4

$1 \times 2 \times 2 \div 4 = 1$ $1 + 2 + 2 - 4 = 1$ $1 \times (2 + 2) \div 4 = 1$	$1 + 2 \times 2 \div 4 = 2$ $1 + (2 + 2) \div 4 = 2$	$1 \div 2 \times (2 + 4) = 3$ $1 \times (2 + 4) \div 2 = 3$	$1 \times (2 - 2 + 4) = 4$ $1 \times 2 \div 2 \times 4 = 4$	$1 + 2 - 2 + 4 = 5$ $1 \times (2 \div 2 + 4) = 5$ $1 + 2 \div 2 \times 4 = 5$
$1 + 2 \div 2 + 4 = 6$ $(1 + 2) \div 2 \times 4 = 6$	$1 + 2 \times 4 - 2 = 7$	$1 \times (2 + 2 + 4) = 8$ $1 \times (2 \times 2 + 4) = 8$	$1 + 2 + 2 + 4 = 9$ $1 + 2 \times 2 + 4 = 9$	$1 \times (2 + 2 \times 4) = 10$ $1 \times 2 + 2 \times 4 = 10$ $(1 + 2) \times 2 + 4 = 10$

1 2 2 5

$1 + (2 - 2) \times 5 = 1$ $(1 + 2 + 2) \div 5 = 1$ $(1 + 2 \times 2) \div 5 = 1$	$1 + 5 - (2 + 2) = 2$ $1 + 5 - 2 \times 2 = 2$ $1 + 5 - 2 - 2 = 2$	$1 \div 2 + 5 \div 2 = 3$ $(2 - 1) \times (5 - 2) = 3$ $(2 - 1 + 5) \div 2 = 3$	$(1 + 2 + 5) \div 2 = 4$ $1 \times (5 - 2 \div 2) = 4$	$1 \times (2 - 2 + 5) = 5$ $1 \times 2 \div 2 \times 5 = 5$
$1 + 2 - 2 + 5 = 6$ $1 \times (2 \div 2 + 5) = 6$ $1 + 2 \div 2 \times 5 = 6$	$1 + 2 \div 2 + 5 = 7$ $1 + 2 \times (5 - 2) = 7$	$1 \times (2 \times 5 - 2) = 8$ $1 \times 2 \times 5 - 2 = 8$	$1 \times (2 + 2 + 5) = 9$ $1 \times (2 \times 2 + 5) = 9$	$1 + 2 + 2 + 5 = 10$ $1 + 2 \times 2 + 5 = 10$

1 2 2 6

$1 + (2 - 2) \times 6 = 1$ $(1 + 2) \times 2 \div 6 = 1$	$1 \div 2 \times (6 - 2) = 2$ $1 \times (6 - (2 + 2)) = 2$ $1 \times (6 - 2 \times 2) = 2$	$1 + 6 - (2 + 2) = 3$ $1 + 6 - 2 \times 2 = 3$ $1 + 6 - 2 - 2 = 3$	$1 \div 2 \times (2 + 6) = 4$ $1 \times (2 + 6) \div 2 = 4$	$1 \times (2 + 6 \div 2) = 5$ $1 + (2 + 6) \div 2 = 5$ $1 \times 2 + 6 \div 2 = 5$
$1 \times (2 - 2 + 6) = 6$ $1 \times 2 \div 2 \times 6 = 6$	$1 + 2 - 2 + 6 = 7$ $1 \times (2 \div 2 + 6) = 7$ $1 + 2 \div 2 \times 6 = 7$	$1 + 2 \div 2 + 6 = 8$ $1 \times 2 \times (6 - 2) = 8$	$(1 + 2) \div 2 \times 6 = 9$ $1 + 2 \times (6 - 2) = 9$	$1 \times (2 + 2 + 6) = 10$ $1 \times (2 \times 2 + 6) = 10$

1 2 2 7

$1 + (2 - 2) \times 7 = 1$	$(1 + 7) \div (2 + 2) = 2$ $(1 + 7) \div (2 \times 2) = 2$ $(1 + 7) \div 2 - 2 = 2$	$1 \times (7 - (2 + 2)) = 3$ $1 \times (7 - 2 \times 2) = 3$ $1 \times (7 - 2 - 2) = 3$	$1 \div 2 + 7 \div 2 = 4$ $1 + 7 - (2 + 2) = 4$ $1 + 7 - 2 \times 2 = 4$	$(1 + 2 + 7) \div 2 = 5$
$1 \times (7 - 2 \div 2) = 6$ $1 \times 7 - 2 \div 2 = 6$ $(1 + 7) \div 2 + 2 = 6$	$1 \times (2 - 2 + 7) = 7$ $1 \times 2 \div 2 \times 7 = 7$	$1 + 2 - 2 + 7 = 8$ $1 \times (2 \div 2 + 7) = 8$ $1 + 2 \div 2 \times 7 = 8$	$1 + 2 \div 2 + 7 = 9$	$1 \times 2 \times (7 - 2) = 10$

1 2 2 8

$1 + (2 - 2) \times 8 = 1$	$1 \div (2 \times 2 \div 8) = 2$ $1 \div (2 + 2) \times 8 = 2$ $1 \div (2 \times 2) \times 8 = 2$	$1 \div 2 \times (8 - 2) = 3$ $1 + 8 \div (2 + 2) = 3$ $1 + 8 \div (2 \times 2) = 3$	$1 \times (8 - (2 + 2)) = 4$ $1 \times (8 - 2 \times 2) = 4$ $1 \times (8 - 2 - 2) = 4$	$1 \div 2 \times (2 + 8) = 5$ $1 \times (2 + 8) \div 2 = 5$
$1 \times (2 + 8 \div 2) = 6$ $1 + (2 + 8) \div 2 = 6$ $1 \times 2 + 8 \div 2 = 6$	$1 + 2 + 8 \div 2 = 7$ $1 \times (8 - 2 \div 2) = 7$	$1 \times (2 - 2 + 8) = 8$ $1 \times 2 \div 2 \times 8 = 8$	$1 + 2 - 2 + 8 = 9$ $1 \times (2 \div 2 + 8) = 9$ $1 + 2 \div 2 \times 8 = 9$	$1 + 2 \div 2 + 8 = 10$

1 2 2 9

$1 + (2 - 2) \times 9 = 1$	$(9 - 1) \div (2 + 2) = 2$ $(9 - 1) \div (2 \times 2) = 2$ $(9 - 1) \div 2 - 2 = 2$	$(1 + 9) \div 2 - 2 = 3$ $9 - (1 + 2) \times 2 = 3$ $(9 - (1 + 2)) \div 2 = 3$	$(1 + 9 - 2) \div 2 = 4$ $9 - (1 + 2 + 2) = 4$	$1 \div 2 + 9 \div 2 = 5$ $1 \times (9 - (2 + 2)) = 5$ $1 \times (9 - 2 \times 2) = 5$
$(1 + 2 + 9) \div 2 = 6$ $1 + 9 - (2 + 2) = 6$	$(1 + 9) \div 2 + 2 = 7$ $(2 - 1) \times (9 - 2) = 7$	$1 \times (9 - 2 \div 2) = 8$ $1 \times 9 - 2 \div 2 = 8$ $2 - 1 + 9 - 2 = 8$	$1 \times (2 - 2 + 9) = 9$ $1 \times 2 \div 2 \times 9 = 9$	$1 + 2 - 2 + 9 = 10$ $1 \times (2 \div 2 + 9) = 10$ $1 + 2 \div 2 \times 9 = 10$

1 2 3 3

$1 + 2 \times (3 - 3) = 1$ $1 \times (2 - 3 \div 3) = 1$	$1 \times (2 + 3 - 3) = 2$ $1 + 2 - 3 \div 3 = 2$ $1 \times 2 \times 3 \div 3 = 2$	$1 + 2 + 3 - 3 = 3$ $1 \times (2 + 3 \div 3) = 3$ $1 + 2 \times 3 \div 3 = 3$	$1 + 2 + 3 \div 3 = 4$ $1 + 2 \times 3 - 3 = 4$	$(1 + 2 \div 3) \times 3 = 5$ $1 + 3 - 2 + 3 = 5$
$(1 + 2) \times 3 - 3 = 6$ $(1 + 3 - 2) \times 3 = 6$	$(1 \div 3 + 2) \times 3 = 7$ $1 \times (3 \times 3 - 2) = 7$ $1 \times 3 \times 3 - 2 = 7$	$1 \times (2 + 3 + 3) = 8$	$1 + 2 + 3 + 3 = 9$ $1 \times (2 \times 3 + 3) = 9$	$1 + 2 \times 3 + 3 = 10$

1 2 3 4

$1 \times (2 + 3 - 4) = 1$ $1 \times 2 + 3 - 4 = 1$	$1 + 2 + 3 - 4 = 2$ $1 \times (2 \times 3 - 4) = 2$	$1 + 2 \times 3 - 4 = 3$ $1 \times (2 + 4 - 3) = 3$	$1 + 2 - 3 + 4 = 4$ $(1 + 2) \div 3 \times 4 = 4$	$(1 + 2) \times 3 - 4 = 5$ $(1 + 2) \div 3 + 4 = 5$ $1 \times (2 \times 4 - 3) = 5$
$1 \div 2 \times 3 \times 4 = 6$ $1 + 2 \times 4 - 3 = 6$	$1 + 3 \div 2 \times 4 = 7$ $1 + 3 \times (4 - 2) = 7$	$(1 + 3 - 2) \times 4 = 8$ $(1 + 3) \div 2 \times 4 = 8$	$1 \times (2 + 3 + 4) = 9$	$1 + 2 + 3 + 4 = 10$ $1 \times (2 \times 3 + 4) = 10$

1 2 3 5

$1 + 2 + 3 - 5 = 1$ $1 \times (2 + 3) \div 5 = 1$ $1 \times (2 \times 3 - 5) = 1$	$1 + (2 + 3) \div 5 = 2$ $1 + 2 \times 3 - 5 = 2$	$1 \div (2 - 5 \div 3) = 3$ $(1 + 3) \times 2 - 5 = 3$	$1 \div 2 \times (3 + 5) = 4$ $(1 + 2) \times 3 - 5 = 4$ $1 \times (2 + 5 - 3) = 4$	$1 + 2 - 3 + 5 = 5$ $(1 + 2) \div 3 \times 5 = 5$
$(1 + 2) \div 3 + 5 = 6$ $(1 + 2) \times (5 - 3) = 6$ $1 \times (3 - 2 + 5) = 6$	$1 \times (2 \times 5 - 3) = 7$ $1 \times 2 \times 5 - 3 = 7$	$1 + 2 \times 5 - 3 = 8$ $(1 + 3 \times 5) \div 2 = 8$	$1 \times 3 \times (5 - 2) = 9$	$1 \times (2 + 3 + 5) = 10$

1 2 3 6

$1 \times 2 \times 3 \div 6 = 1$ $1 + 2 \times 3 - 6 = 1$	$1 + 2 \times 3 \div 6 = 2$ $(1 - 2 \div 3) \times 6 = 2$	$(1 + 2) \times 3 - 6 = 3$ $(1 + 2 + 6) \div 3 = 3$	$1 \times 2 \div 3 \times 6 = 4$	$1 + 2 \div 3 \times 6 = 5$ $1 \times (2 + 6 - 3) = 5$ $1 + 2 + 6 \div 3 = 5$
$1 + 2 - 3 + 6 = 6$ $(1 + 2) \div 3 \times 6 = 6$	$(1 + 2) \div 3 + 6 = 7$ $1 + 2 \times (6 - 3) = 7$ $1 \times (3 - 2 + 6) = 7$	$1 + 3 - 2 + 6 = 8$	$1 \div 2 \times 3 \times 6 = 9$ $1 \times (2 \times 6 - 3) = 9$	$(1 + 2 \div 3) \times 6 = 10$ $1 + 2 \times 6 - 3 = 10$

1 2 3 7

$(1 + 2 \times 3) \div 7 = 1$ $(1 + 3) \times 2 - 7 = 1$	$(1 + 2) \times 3 - 7 = 2$ $1 \div 2 \times (7 - 3) = 2$ $1 \times (7 - (2 + 3)) = 2$	$1 \times (2 + 7) \div 3 = 3$ $(1 \times 2 + 7) \div 3 = 3$	$1 + (2 + 7) \div 3 = 4$ $(2 - 1) \times (7 - 3) = 4$	$1 \div 2 \times (3 + 7) = 5$ $(1 + 2 \times 7) \div 3 = 5$
$1 \times (2 + 7 - 3) = 6$	$1 + 2 - 3 + 7 = 7$ $(1 + 2) \div 3 \times 7 = 7$	$(1 + 2) \div 3 + 7 = 8$ $1 \times 2 \times (7 - 3) = 8$	$1 + 2 \times (7 - 3) = 9$ $1 + 3 - 2 + 7 = 9$	$(1 + 7 - 3) \times 2 = 10$ $(2 - 1) \times (3 + 7) = 10$

1 2 3 8

$$\begin{aligned}(1+2) \times 3 - 8 &= 1 \\ 1 \div 2 \times 8 - 3 &= 1 \\ (1+3) \times 2 \div 8 &= 1\end{aligned}$$

$$\begin{aligned}(1+3+8) \div 2 &= 6 \\ (1+8) \times 2 \div 3 &= 6\end{aligned}$$

$$\begin{aligned}1 \div 3 \times (8-2) &= 2 \\ 1 \times (8-2 \times 3) &= 2 \\ 1 \times (8-2) \div 3 &= 2\end{aligned}$$

$$1 \times (2+8-3) = 7$$

$$\begin{aligned}1 \times (8-(2+3)) &= 3 \\ 1+8-2 \times 3 &= 3 \\ 1 \times (8-2-3) &= 3\end{aligned}$$

$$\begin{aligned}1+2-3+8 &= 8 \\ (1+2) \div 3 \times 8 &= 8\end{aligned}$$

$$\begin{aligned}1+8-(2+3) &= 4 \\ 1+8-2-3 &= 4\end{aligned}$$

$$\begin{aligned}(1+2) \div 3 + 8 &= 9 \\ 1 \times (3-2+8) &= 9 \\ 1+(3-2) \times 8 &= 9\end{aligned}$$

$$\begin{aligned}(1+8) \div 3 + 2 &= 5 \\ (2-1) \times (8-3) &= 5\end{aligned}$$

$$\begin{aligned}1 \times 2 \times (8-3) &= 10 \\ 1+3-2+8 &= 10\end{aligned}$$

1 2 3 9

$$(1+2) \times 3 \div 9 = 1$$

$$\begin{aligned}(1+9) \div (2+3) &= 2 \\ (1+9) \div 2 - 3 &= 2 \\ 1+9 \div 3 - 2 &= 2\end{aligned}$$

$$\begin{aligned}(1-2 \div 3) \times 9 &= 3 \\ 1 \times (9-2 \times 3) &= 3\end{aligned}$$

$$1 \times (2+9-3) = 8$$

$$\begin{aligned}(1+2+9) \div 3 &= 4 \\ 1 \times (9-(2+3)) &= 4\end{aligned}$$

$$\begin{aligned}1+2-3+9 &= 9 \\ (1+2) \div 3 \times 9 &= 9\end{aligned}$$

$$\begin{aligned}1 \times (2+9 \div 3) &= 5 \\ 1 \times 2+9 \div 3 &= 5 \\ 1 \div 3 \times 9+2 &= 5\end{aligned}$$

$$\begin{aligned}(1+2) \div 3 + 9 &= 10 \\ 1 \times (3-2+9) &= 10 \\ 1+(3-2) \times 9 &= 10\end{aligned}$$

$$\begin{aligned}1 \times 2 \div 3 \times 9 &= 6 \\ 1 \div 2 \times (3+9) &= 6\end{aligned}$$

$$\begin{aligned}1+2 \div 3 \times 9 &= 7 \\ 1+2 \times 9 \div 3 &= 7\end{aligned}$$

1 2 4 4

$$\begin{aligned}1+2 \times (4-4) &= 1 \\ 1 \times (2-4 \div 4) &= 1 \\ 1 \times 2-4 \div 4 &= 1\end{aligned}$$

$$\begin{aligned}(1+2 \div 4) \times 4 &= 6 \\ 1 \div 2 \times 4 + 4 &= 6 \\ 1 \times (4-2+4) &= 6\end{aligned}$$

$$\begin{aligned}1 \times (2+4-4) &= 2 \\ 1+2-4 \div 4 &= 2 \\ 1 \times 2 \times 4 \div 4 &= 2\end{aligned}$$

$$\begin{aligned}1+4-2+4 &= 7 \\ 1+4 \div 2+4 &= 7\end{aligned}$$

$$\begin{aligned}1+2+4-4 &= 3 \\ 1 \times (2+4 \div 4) &= 3 \\ 1+2 \times 4 \div 4 &= 3\end{aligned}$$

$$\begin{aligned}1 \div 2 \times 4 \times 4 &= 8 \\ (1+2) \times 4-4 &= 8\end{aligned}$$

$$\begin{aligned}1+2+4 \div 4 &= 4 \\ 1 \times (2 \times 4-4) &= 4 \\ 1 \times 2 \times 4-4 &= 4\end{aligned}$$

$$\begin{aligned}1+(4-2) \times 4 &= 9 \\ 1+4 \div 2 \times 4 &= 9 \\ (1 \div 4+2) \times 4 &= 9\end{aligned}$$

$$1+2 \times 4-4 = 5$$

$$1 \times (2+4+4) = 10$$

1 2 4 5

$$\begin{aligned}1 \times (2+4-5) &= 1 \\ 1 \times 2+4-5 &= 1\end{aligned}$$

$$\begin{aligned}1 \times (2 \times 5-4) &= 6 \\ 1 \times 2 \times 5-4 &= 6\end{aligned}$$

$$1+2+4-5 = 2$$

$$\begin{aligned}(1+2) \times 4-5 &= 7 \\ 1 \div 2 \times 4+5 &= 7 \\ 1+2 \times 5-4 &= 7\end{aligned}$$

$$\begin{aligned}1 \times (2 \times 4-5) &= 3 \\ 1 \times 2 \times 4-5 &= 3\end{aligned}$$

$$\begin{aligned}1+4-2+5 &= 8 \\ 1+4 \div 2+5 &= 8\end{aligned}$$

$$\begin{aligned}1+2 \times 4-5 &= 4 \\ 1+2+5-4 &= 4\end{aligned}$$

$$\begin{aligned}(2-1) \times (4+5) &= 9 \\ (2-1) \times 4+5 &= 9\end{aligned}$$

$$\begin{aligned}(1+4) \times 2-5 &= 5 \\ (1+4+5) \div 2 &= 5\end{aligned}$$

$$1 \div 2 \times 4 \times 5 = 10$$

1 2 4 6

$$\begin{aligned}1+2+4-6 &= 1 \\ 1 \times (2+4) \div 6 &= 1\end{aligned}$$

$$\begin{aligned}(1+2) \times 4-6 &= 6 \\ (1+2) \times (6-4) &= 6 \\ 1+(4+6) \div 2 &= 6\end{aligned}$$

$$\begin{aligned}1+(2+4) \div 6 &= 2 \\ 1 \times (2 \times 4-6) &= 2 \\ 1 \times 2 \times 4-6 &= 2\end{aligned}$$

$$\begin{aligned}1 \div 2 \times 6+4 &= 7 \\ 1 \times (4+6 \div 2) &= 7 \\ 1 \times 4+6 \div 2 &= 7\end{aligned}$$

$$\begin{aligned}1+2 \times 4-6 &= 3 \\ 1 \times 2 \div 4 \times 6 &= 3\end{aligned}$$

$$\begin{aligned}1 \div 2 \times 4+6 &= 8 \\ 1 \times (2 \times 6-4) &= 8 \\ 1 \times 2 \times 6-4 &= 8\end{aligned}$$

$$\begin{aligned}1+2 \div 4 \times 6 &= 4 \\ 1 \times (2+6-4) &= 4 \\ 1 \times 2 \times (6-4) &= 4\end{aligned}$$

$$\begin{aligned}(1+2 \div 4) \times 6 &= 9 \\ 1+2 \times 6-4 &= 9\end{aligned}$$

$$\begin{aligned}1 \div 2 \times (4+6) &= 5 \\ 1+2+6-4 &= 5 \\ 1+2 \times (6-4) &= 5\end{aligned}$$

$$\begin{aligned}(1+6) \times 2-4 &= 10 \\ (2-1) \times (4+6) &= 10 \\ (2-1) \times 4+6 &= 10\end{aligned}$$

1 2 4 7

$$\begin{aligned}1 \times (2 \times 4-7) &= 1 \\ (1+2+4) \div 7 &= 1 \\ 1 \times 2 \times 4-7 &= 1\end{aligned}$$

$$\begin{aligned}1+2+7-4 &= 6 \\ 1 \times 2 \times (7-4) &= 6\end{aligned}$$

$$1+2 \times 4-7 = 2$$

$$1+2 \times (7-4) = 7$$

$$\begin{aligned}(1+4) \times 2-7 &= 3 \\ (2-1) \times (7-4) &= 3\end{aligned}$$

$$\begin{aligned}(1+7) \div 2+4 &= 8 \\ (1+7-4) \times 2 &= 8\end{aligned}$$

$$\begin{aligned}1 \div (2-7 \div 4) &= 4 \\ (1+7) \times 2 \div 4 &= 4\end{aligned}$$

$$\begin{aligned}1 \div 2 \times 4+7 &= 9 \\ (1+2) \times (7-4) &= 9 \\ 1 \times (4-2+7) &= 9\end{aligned}$$

$$\begin{aligned}(1+2) \times 4-7 &= 5 \\ 1 \times (2+7-4) &= 5\end{aligned}$$

$$\begin{aligned}1 \times (2 \times 7-4) &= 10 \\ 1 \times 2 \times 7-4 &= 10\end{aligned}$$

1 2 4 8

$$\begin{aligned}1 \times 2 \times 4 \div 8 &= 1 \\ 1+2 \times 4-8 &= 1\end{aligned}$$

$$\begin{aligned}1 \div 2 \times (4+8) &= 6 \\ (1+2) \div 4 \times 8 &= 6 \\ 1 \times (2+8-4) &= 6\end{aligned}$$

$$1+2 \times 4 \div 8 = 2$$

$$1+2+8-4 = 7$$

$$\begin{aligned}(1-2 \div 8) \times 4 &= 3 \\ 1+8-(2+4) &= 3\end{aligned}$$

$$\begin{aligned}1 \times 2 \times (8-4) &= 8 \\ 1 \div 2 \times 8+4 &= 8\end{aligned}$$

$$\begin{aligned}1 \times 2 \div 4 \times 8 &= 4 \\ (1-2 \div 4) \times 8 &= 4\end{aligned}$$

$$\begin{aligned}1+2 \times (8-4) &= 9 \\ 1+4+8 \div 2 &= 9\end{aligned}$$

$$\begin{aligned}1+2 \div 4 \times 8 &= 5 \\ 1+2+8 \div 4 &= 5\end{aligned}$$

$$\begin{aligned}1 \div 2 \times 4+8 &= 10 \\ 1 \times (4-2+8) &= 10 \\ 1 \times (4 \div 2+8) &= 10\end{aligned}$$

1 2 4 9

$$\begin{aligned}(1+2 \times 4) \div 9 &= 1 \\ (1+4) \times 2-9 &= 1\end{aligned}$$

$$\begin{aligned}2-1+9-4 &= 6 \\ 2 \div (4-1) \times 9 &= 6\end{aligned}$$

$$\begin{aligned}1+9-2 \times 4 &= 2 \\ 1 \div (9 \div 2-4) &= 2 \\ (1+9-2) \div 4 &= 2\end{aligned}$$

$$1 \times (2+9-4) = 7$$

$$\begin{aligned}(1+2) \times 4-9 &= 3 \\ (1+2+9) \div 4 &= 3\end{aligned}$$

$$1+2+9-4 = 8$$

$$\begin{aligned}1+9-(2+4) &= 4 \\ 1+9-2-4 &= 4\end{aligned}$$

$$\begin{aligned}(1+9) \div 2+4 &= 9 \\ 2 \times (9-4)-1 &= 9 \\ (4-(1+2)) \times 9 &= 9\end{aligned}$$

$$\begin{aligned}(1+9) \times 2 \div 4 &= 5 \\ (1+9) \div (4-2) &= 5\end{aligned}$$

$$1 \times 2 \times (9-4) = 10$$

1 2 5 5

$1 + 2 \times (5 - 5) = 1$ $1 \times (2 - 5 \div 5) = 1$ $1 \times 2 - 5 \div 5 = 1$	$1 \times (2 + 5 - 5) = 2$ $1 + 2 - 5 \div 5 = 2$ $1 \times 2 \times 5 \div 5 = 2$	$1 + 2 + 5 - 5 = 3$ $1 \times (2 + 5 \div 5) = 3$ $1 + 2 \times 5 \div 5 = 3$	$1 + 2 + 5 \div 5 = 4$	$1 \times (2 \times 5 - 5) = 5$ $1 \times 2 \times 5 - 5 = 5$ $1 \div 2 \times (5 + 5) = 5$
$1 + 2 \times 5 - 5 = 6$	$(1 + 2 \div 5) \times 5 = 7$ $(1 + 5) \times 2 - 5 = 7$	$1 \times (5 - 2 + 5) = 8$ $(1 + 5) \div 2 + 5 = 8$	$1 + 5 - 2 + 5 = 9$	$(1 + 2) \times 5 - 5 = 10$ $(2 - 1) \times (5 + 5) = 10$

1 2 5 6

$1 \times (2 + 5 - 6) = 1$ $1 \times 2 + 5 - 6 = 1$	$1 + 2 + 5 - 6 = 2$	$1 \times (2 + 6 - 5) = 3$ $1 + 2 \times (6 - 5) = 3$	$1 \times (2 \times 5 - 6) = 4$ $1 \times 2 \times 5 - 6 = 4$	$1 + 2 \times 5 - 6 = 5$
$(1 + 5) \times 2 - 6 = 6$ $(1 + 5 + 6) \div 2 = 6$	$1 \times (2 \times 6 - 5) = 7$ $1 \times 2 \times 6 - 5 = 7$	$1 + 2 \times 6 - 5 = 8$ $1 \div 2 \times 6 + 5 = 8$	$(1 + 2) \times 5 - 6 = 9$ $1 \times (5 - 2 + 6) = 9$	$1 + 5 - 2 + 6 = 10$

1 2 5 7

$1 + 2 + 5 - 7 = 1$ $1 \times (2 + 5) \div 7 = 1$	$1 + (2 + 5) \div 7 = 2$ $1 + 2 \div (7 - 5) = 2$ $(1 + 2 + 7) \div 5 = 2$	$1 \times (2 \times 5 - 7) = 3$ $1 \times 2 \times 5 - 7 = 3$	$1 + 2 \times 5 - 7 = 4$ $1 \times (2 + 7 - 5) = 4$	$1 + 2 + 7 - 5 = 5$ $1 + 2 \times (7 - 5) = 5$
$1 \div 2 \times (5 + 7) = 6$ $(1 + 2) \times (7 - 5) = 6$	$1 + (5 + 7) \div 2 = 7$ $2 \div (1 - 5 \div 7) = 7$	$(1 + 2) \times 5 - 7 = 8$ $2 \times 7 - (1 + 5) = 8$	$1 \times (2 \times 7 - 5) = 9$ $1 \times 2 \times 7 - 5 = 9$	$1 + 2 \times 7 - 5 = 10$ $1 \times (5 - 2 + 7) = 10$

1 2 5 8

$(1 + 2 + 5) \div 8 = 1$ $(1 + 2) \div (8 - 5) = 1$	$1 \times (2 \times 5 - 8) = 2$ $1 \times 2 \times 5 - 8 = 2$	$1 + 2 \times 5 - 8 = 3$ $1 + (2 + 8) \div 5 = 3$	$(1 + 5) \times 2 - 8 = 4$ $2 - 1 + 8 - 5 = 4$	$1 \times (2 + 8 - 5) = 5$
$1 + 2 + 8 - 5 = 6$ $1 \times 2 \times (8 - 5) = 6$	$(1 + 2) \times 5 - 8 = 7$ $1 + 2 \times (8 - 5) = 7$ $(1 + 5 + 8) \div 2 = 7$	$(1 + 8 - 5) \times 2 = 8$	$(1 + 2) \times (8 - 5) = 9$ $1 \div 2 \times 8 + 5 = 9$ $1 \times (5 + 8 \div 2) = 9$	$1 + 5 + 8 \div 2 = 10$

1 2 5 9

$1 \times (2 \times 5 - 9) = 1$ $1 \times 2 \times 5 - 9 = 1$	$1 + 2 \times 5 - 9 = 2$ $1 \div 2 \times (9 - 5) = 2$	$1 \div (5 - 2) \times 9 = 3$ $(1 + 5) \times 2 - 9 = 3$ $1 + 9 - (2 + 5) = 3$	$(1 + 9) \times 2 \div 5 = 4$ $1 + 9 \div (5 - 2) = 4$	$1 \div (2 - 9 \div 5) = 5$ $2 - 1 + 9 - 5 = 5$
$(1 + 2) \times 5 - 9 = 6$ $1 \times (2 + 9 - 5) = 6$	$1 \div 2 \times (5 + 9) = 7$ $1 + 2 + 9 - 5 = 7$	$1 \times 2 \times (9 - 5) = 8$ $1 + (5 + 9) \div 2 = 8$	$1 + 2 \times (9 - 5) = 9$	$(1 + 9) \div 2 + 5 = 10$ $(1 + 9 - 5) \times 2 = 10$

1 2 6 6

$1 + 2 \times (6 - 6) = 1$ $1 \times (2 - 6 \div 6) = 1$ $1 \times 2 - 6 \div 6 = 1$	$1 \times (2 + 6 - 6) = 2$ $1 + 2 - 6 \div 6 = 2$ $1 \times 2 \times 6 \div 6 = 2$	$1 + 2 + 6 - 6 = 3$ $1 \times (2 + 6 \div 6) = 3$ $1 + 2 \times 6 \div 6 = 3$	$1 + 2 + 6 \div 6 = 4$ $(1 - 2 \div 6) \times 6 = 4$	$2 \times 6 - (1 + 6) = 5$ $2 \times 6 - 1 - 6 = 5$
$1 \times (2 \times 6 - 6) = 6$ $1 \times 2 \times 6 - 6 = 6$ $1 \div 2 \times (6 + 6) = 6$	$1 + 2 \times 6 - 6 = 7$	$(1 + 2 \div 6) \times 6 = 8$ $(1 + 6) \times 2 - 6 = 8$	$1 \div 2 \times 6 + 6 = 9$ $1 \times (6 \div 2 + 6) = 9$	$1 \times (6 - 2 + 6) = 10$ $1 + 6 \div 2 + 6 = 10$

1 2 6 7

$1 \times (2 + 6 - 7) = 1$ $1 \times 2 + 6 - 7 = 1$	$1 + 2 + 6 - 7 = 2$	$1 \times (2 + 7 - 6) = 3$ $1 + 2 \times (7 - 6) = 3$	$1 + 2 + 7 - 6 = 4$	$1 \times (2 \times 6 - 7) = 5$ $1 \times 2 \times 6 - 7 = 5$
$1 + 2 \times 6 - 7 = 6$	$(1 + 6) \times 2 - 7 = 7$ $(1 + 6 + 7) \div 2 = 7$	$1 \times (2 \times 7 - 6) = 8$ $1 \times 2 \times 7 - 6 = 8$	$1 + 2 \times 7 - 6 = 9$	$1 \div 2 \times 6 + 7 = 10$ $1 \times (6 \div 2 + 7) = 10$

1 2 6 8

$1 + 2 + 6 - 8 = 1$ $1 \times (2 + 6) \div 8 = 1$	$1 + (2 + 6) \div 8 = 2$ $1 + 2 \div (8 - 6) = 2$	$1 + 6 - 8 \div 2 = 3$ $(1 + 8) \times 2 \div 6 = 3$	$1 \times (2 \times 6 - 8) = 4$ $1 \times 2 \times 6 - 8 = 4$ $(1 + 2) \div 6 \times 8 = 4$	$1 + 2 \times 6 - 8 = 5$ $1 + 2 + 8 - 6 = 5$
$(1 + 2) \times (8 - 6) = 6$ $(1 + 6) \times 2 - 8 = 6$ $1 + 8 - 6 \div 2 = 6$	$1 \div 2 \times (6 + 8) = 7$ $1 \times (6 + 8) \div 2 = 7$	$1 + (6 + 8) \div 2 = 8$ $2 \div (1 - 6 \div 8) = 8$	$2 \times 8 - (1 + 6) = 9$ $2 \times 8 - 1 - 6 = 9$	$(1 + 2) \times 6 - 8 = 10$ $1 \times (2 \times 8 - 6) = 10$ $1 \times 2 \times 8 - 6 = 10$

1 2 6 9

$(1+2+6) \div 9 = 1$ $(1+2) \div (9-6) = 1$	$(1+2) \times 6 \div 9 = 2$ $1 \div (2-9 \div 6) = 2$	$1 \times (2 \times 6 - 9) = 3$ $1 \times 2 \div 6 \times 9 = 3$ $1 \times 2 \times 6 - 9 = 3$	$1+2 \times 6 - 9 = 4$ $1+2 \div 6 \times 9 = 4$	$1 \times (2+9-6) = 5$
$(1-2 \div 6) \times 9 = 6$ $1+2+9-6 = 6$ $1 \times 2 \times (9-6) = 6$	$1+2 \times (9-6) = 7$ $1+9-6 \div 2 = 7$	$(1+6+9) \div 2 = 8$	$(1+2) \times 6 - 9 = 9$ $(1+2) \times (9-6) = 9$	$2 \times (9-1) - 6 = 10$ $6 + (9-1) \div 2 = 10$

1 2 7 7

$1+2 \times (7-7) = 1$ $1 \times (2-7 \div 7) = 1$ $1 \times 2 - 7 \div 7 = 1$	$1 \times (2+7-7) = 2$ $1+2-7 \div 7 = 2$ $1 \times 2 \times 7 \div 7 = 2$	$1+2+7-7 = 3$ $1 \times (2+7 \div 7) = 3$ $1+2 \times 7 \div 7 = 3$	$1+2+7 \div 7 = 4$	$(1-2 \div 7) \times 7 = 5$ $2 \times (7-1) - 7 = 5$
$2 \times 7 - (1+7) = 6$ $2 \times 7 - 1 - 7 = 6$	$1 \times (2 \times 7 - 7) = 7$ $1 \times 2 \times 7 - 7 = 7$ $1 \div 2 \times (7+7) = 7$	$1+2 \times 7 - 7 = 8$	$(1+2 \div 7) \times 7 = 9$ $(1+7) \times 2 - 7 = 9$	$(7-1) \div 2 + 7 = 10$

1 2 7 8

$1 \times (2+7-8) = 1$ $1 \times 2+7-8 = 1$	$1+2+7-8 = 2$	$1 \times (2+8-7) = 3$ $1+2 \times (8-7) = 3$	$1+2+8-7 = 4$	$2 \times 7 - (1+8) = 5$ $2 \times 7 - 1 - 8 = 5$
$1 \times (2 \times 7 - 8) = 6$ $1 \times 2 \times 7 - 8 = 6$	$1+2 \times 7 - 8 = 7$	$(1+7) \times 2 - 8 = 8$ $(1+7+8) \div 2 = 8$	$1 \times (2 \times 8 - 7) = 9$ $1 \times 2 \times 8 - 7 = 9$	$1+2 \times 8 - 7 = 10$

1 2 7 9

$1+2+7-9 = 1$ $1 \times (2+7) \div 9 = 1$	$1+(2+7) \div 9 = 2$ $1+2 \div (9-7) = 2$	$2-1+9-7 = 3$ $2 \times (7-1) - 9 = 3$	$1 \times (2+9-7) = 4$ $1 \times 2 \times (9-7) = 4$	$1 \times (2 \times 7 - 9) = 5$ $1 \times 2 \times 7 - 9 = 5$
$1+2 \times 7 - 9 = 6$ $(1+2) \times (9-7) = 6$	$(1+7) \times 2 - 9 = 7$	$1 \div 2 \times (7+9) = 8$ $1 \times (7+9) \div 2 = 8$	$1+(7+9) \div 2 = 9$ $2 \div (1-7 \div 9) = 9$	$2 \times 9 - (1+7) = 10$ $2 \times 9 - 1 - 7 = 10$

1 2 8 8

$1+2 \times (8-8) = 1$ $1 \times (2-8 \div 8) = 1$ $1 \times 2 - 8 \div 8 = 1$	$1 \times (2+8-8) = 2$ $1+2-8 \div 8 = 2$ $1 \times 2 \times 8 \div 8 = 2$	$1+2+8-8 = 3$ $1 \times (2+8 \div 8) = 3$ $1+2 \times 8 \div 8 = 3$	$1+2+8 \div 8 = 4$ $1 \times (8-8 \div 2) = 4$	$1+8-8 \div 2 = 5$
$(1-2 \div 8) \times 8 = 6$ $2 \times (8-1) - 8 = 6$	$2 \times 8 - (1+8) = 7$ $2 \times 8 - 1 - 8 = 7$	$1 \times (2 \times 8 - 8) = 8$ $1 \times 2 \times 8 - 8 = 8$ $1 \div 2 \times (8+8) = 8$	$1+2 \times 8 - 8 = 9$	$(1+2 \div 8) \times 8 = 10$ $(1+8) \times 2 - 8 = 10$

1 2 8 9

$1 \times (2+8-9) = 1$ $1 \times 2+8-9 = 1$	$1+2+8-9 = 2$	$1 \times (2+9-8) = 3$ $1+2 \times (9-8) = 3$	$1+2+9-8 = 4$	$1 \times (9-8 \div 2) = 5$ $1 \times 9 - 8 \div 2 = 5$ $2 \times (8-1) - 9 = 5$
$1+9-8 \div 2 = 6$ $2 \times 8 - (1+9) = 6$	$1 \times (2 \times 8 - 9) = 7$ $1 \times 2 \times 8 - 9 = 7$	$1+2 \times 8 - 9 = 8$	$(1+8) \times 2 - 9 = 9$ $(1+8+9) \div 2 = 9$	$1 \times (2 \times 9 - 8) = 10$ $1 \times 2 \times 9 - 8 = 10$

1 2 9 9

$1+2 \times (9-9) = 1$ $1 \times (2-9 \div 9) = 1$ $1 \times 2 - 9 \div 9 = 1$	$1 \times (2+9-9) = 2$ $1+2-9 \div 9 = 2$ $1 \times 2 \times 9 \div 9 = 2$	$1+2+9-9 = 3$ $1 \times (2+9 \div 9) = 3$ $1+2 \times 9 \div 9 = 3$	$1+2+9 \div 9 = 4$	$9 - (9-1) \div 2 = 5$
$9-9 \div (1+2) = 6$ $(9+9) \div (1+2) = 6$	$(1-2 \div 9) \times 9 = 7$ $2 \times (9-1) - 9 = 7$	$2 \times 9 - (1+9) = 8$ $2 \times 9 - 1 - 9 = 8$	$1 \times (2 \times 9 - 9) = 9$ $1 \times 2 \times 9 - 9 = 9$ $1 \div 2 \times (9+9) = 9$	$1+2 \times 9 - 9 = 10$

1 3 3 3

$1+3 \times (3-3) = 1$ $3 - (1+3 \div 3) = 1$	$1 \times (3-3 \div 3) = 2$ $1 \times (3+3) \div 3 = 2$	$1 \times (3+3-3) = 3$ $1+3-3 \div 3 = 3$ $1 \times 3 \times 3 \div 3 = 3$	$1+3+3-3 = 4$ $1 \times (3+3 \div 3) = 4$ $1+3 \times 3 \div 3 = 4$	$1+3+3 \div 3 = 5$
$1 \times (3 \times 3 - 3) = 6$ $1 \times 3 \times 3 - 3 = 6$ $(1+3 \div 3) \times 3 = 6$	$1+3 \times 3 - 3 = 7$ $3 \times 3 + 1 - 3 = 7$	$(3-1 \div 3) \times 3 = 8$ $3 - 1 + 3 + 3 = 8$	$1 \times (3+3+3) = 9$	$1+3+3+3 = 10$

1334

$1 + (3 - 3) \times 4 = 1$ $3 - 1 + 3 - 4 = 1$	$1 \times (3 + 3 - 4) = 2$ $1 \times 3 + 3 - 4 = 2$	$1 + 3 + 3 - 4 = 3$ $(1 + 3) \times 3 \div 4 = 3$	$1 \times (3 - 3 + 4) = 4$ $1 \times 3 \div 3 \times 4 = 4$	$1 + 3 - 3 + 4 = 5$ $1 \times (3 \times 3 - 4) = 5$ $1 \times (3 \div 3 + 4) = 5$
$1 + 3 \times 3 - 4 = 6$ $1 + 3 \div 3 + 4 = 6$	$(1 + 4 \div 3) \times 3 = 7$	$(1 + 3 \div 3) \times 4 = 8$ $(1 + 3) \times 3 - 4 = 8$	$1 \times (3 \times 4 - 3) = 9$ $1 \times 3 \times 4 - 3 = 9$	$1 \times (3 + 3 + 4) = 10$

1335

$1 \times (3 + 3 - 5) = 1$ $1 + (3 - 3) \times 5 = 1$	$1 + 3 + 3 - 5 = 2$ $(1 + 3 \times 3) \div 5 = 2$	$(1 + 3 + 5) \div 3 = 3$	$1 \times (3 \times 3 - 5) = 4$ $1 \times 3 \times 3 - 5 = 4$	$1 \times (3 - 3 + 5) = 5$ $1 + 3 \times 3 - 5 = 5$ $1 \times 3 \div 3 \times 5 = 5$
$1 + 3 - 3 + 5 = 6$ $1 \times (3 \div 3 + 5) = 6$ $1 + 3 \div 3 \times 5 = 6$	$1 + 3 \div 3 + 5 = 7$ $(1 + 3) \times 3 - 5 = 7$	$(1 + 3) \times (5 - 3) = 8$ $(1 + 5 \div 3) \times 3 = 8$	$(1 + 5 - 3) \times 3 = 9$	$(1 + 3 \div 3) \times 5 = 10$ $3 - 1 + 3 + 5 = 10$

1336

$1 + 3 + 3 - 6 = 1$ $1 \times (3 + 3) \div 6 = 1$ $1 + (3 - 3) \times 6 = 1$	$1 + (3 + 3) \div 6 = 2$ $(1 + 3) \times 3 \div 6 = 2$	$1 \times (3 \times 3 - 6) = 3$ $1 \times 3 \times 3 - 6 = 3$ $1 \div 3 \times (3 + 6) = 3$	$1 + 3 \times 3 - 6 = 4$ $1 + (3 + 6) \div 3 = 4$	$1 \times (3 + 6 \div 3) = 5$ $1 \times 3 + 6 \div 3 = 5$ $1 \div 3 \times 6 + 3 = 5$
$1 \times (3 - 3 + 6) = 6$ $1 \times 3 \div 3 \times 6 = 6$	$1 + 3 - 3 + 6 = 7$ $1 \times (3 \div 3 + 6) = 7$ $1 + 3 \div 3 \times 6 = 7$	$1 + 3 \div 3 + 6 = 8$ $(1 + 3) \div 3 \times 6 = 8$	$1 \times 3 \times (6 - 3) = 9$	$1 + 3 \times (6 - 3) = 10$

1337

$1 + (3 - 3) \times 7 = 1$ $(1 + 3 + 3) \div 7 = 1$	$1 \times (3 \times 3 - 7) = 2$ $1 \times 3 \times 3 - 7 = 2$	$1 + 3 \times 3 - 7 = 3$ $(3 - 1 + 7) \div 3 = 3$	$3 \times (7 \div 3 - 1) = 4$	$(1 + 3) \times 3 - 7 = 5$
$1 \times (7 - 3 \div 3) = 6$ $1 \times 7 - 3 \div 3 = 6$ $3 - 1 + 7 - 3 = 6$	$1 \times (3 - 3 + 7) = 7$ $1 \times 3 \div 3 \times 7 = 7$	$1 + 3 - 3 + 7 = 8$ $1 \times (3 \div 3 + 7) = 8$ $1 + 3 \div 3 \times 7 = 8$	$1 + 3 \div 3 + 7 = 9$	$(1 + 7 \div 3) \times 3 = 10$

1338

$1 + (3 - 3) \times 8 = 1$ $1 \times (3 \times 3 - 8) = 1$ $1 \times 3 \times 3 - 8 = 1$	$1 + 3 \times 3 - 8 = 2$ $1 \times (8 - (3 + 3)) = 2$	$1 \div (3 - 8 \div 3) = 3$ $1 \div 3 + 8 \div 3 = 3$ $1 + 8 - (3 + 3) = 3$	$(1 + 3) \times 3 - 8 = 4$ $(1 + 3 + 8) \div 3 = 4$	$3 + 8 \div (1 + 3) = 5$ $3 \times (8 \div 3 - 1) = 5$
$(1 + 8) \div 3 + 3 = 6$ $3 \div (1 + 3) \times 8 = 6$	$1 \times (8 - 3 \div 3) = 7$ $1 \times 8 - 3 \div 3 = 7$ $3 - 1 + 8 - 3 = 7$	$1 \times (3 - 3 + 8) = 8$ $1 \times 3 \div 3 \times 8 = 8$	$1 + 3 - 3 + 8 = 9$ $1 \times (3 \div 3 + 8) = 9$ $1 + 3 \div 3 \times 8 = 9$	$1 + 3 \div 3 + 8 = 10$

1339

$1 \times 3 \times 3 \div 9 = 1$ $1 + (3 - 3) \times 9 = 1$ $1 + 3 \times 3 - 9 = 1$	$1 + 3 \times 3 \div 9 = 2$	$(1 + 3) \times 3 - 9 = 3$ $1 \times (9 - (3 + 3)) = 3$ $1 \times (9 - 3 - 3) = 3$	$1 \div 3 \times (3 + 9) = 4$ $1 \times (3 + 9) \div 3 = 4$	$1 + (3 + 9) \div 3 = 5$ $3 - 1 + 9 \div 3 = 5$
$1 \times (3 + 9 \div 3) = 6$ $1 \times 3 + 9 \div 3 = 6$ $1 \div 3 \times 9 + 3 = 6$	$1 + 3 + 9 \div 3 = 7$	$1 \times (9 - 3 \div 3) = 8$ $1 \times 9 - 3 \div 3 = 8$ $3 - 1 + 9 - 3 = 8$	$1 \times (3 - 3 + 9) = 9$ $1 \times 3 \div 3 \times 9 = 9$	$1 + 3 - 3 + 9 = 10$ $1 \times (3 \div 3 + 9) = 10$ $1 + 3 \div 3 \times 9 = 10$

1344

$1 + 3 \times (4 - 4) = 1$ $(1 - 3 \div 4) \times 4 = 1$ $1 \div 4 + 3 \div 4 = 1$	$1 \times (3 - 4 \div 4) = 2$ $(1 + 3 + 4) \div 4 = 2$ $1 \times 3 - 4 \div 4 = 2$	$1 \times (3 + 4 - 4) = 3$ $1 + 3 - 4 \div 4 = 3$ $1 \times 3 \times 4 \div 4 = 3$	$1 + 3 + 4 - 4 = 4$ $1 \times (3 + 4 \div 4) = 4$ $1 + 3 \times 4 \div 4 = 4$	$1 + 3 + 4 \div 4 = 5$ $(1 + 3) \div 4 + 4 = 5$
$1 + 4 - 3 + 4 = 6$	$(1 + 3 \div 4) \times 4 = 7$ $3 \times 4 - (1 + 4) = 7$ $3 \times 4 - 1 - 4 = 7$	$1 \times (3 \times 4 - 4) = 8$ $1 \times 3 \times 4 - 4 = 8$	$1 + 3 \times 4 - 4 = 9$	$3 - 1 + 4 + 4 = 10$

1345

$3 - 1 + 4 - 5 = 1$ $3 - (1 + 5 - 4) = 1$	$1 \times (3 + 4 - 5) = 2$ $1 \times 3 + 4 - 5 = 2$	$1 + 3 + 4 - 5 = 3$ $1 \div 3 \times (4 + 5) = 3$	$1 \times (3 + 5 - 4) = 4$ $1 + 3 \times (5 - 4) = 4$	$1 + 3 - 4 + 5 = 5$ $(1 + 3) \div 4 \times 5 = 5$
$(1 + 3) \div 4 + 5 = 6$ $1 \times (4 - 3 + 5) = 6$ $1 + (4 - 3) \times 5 = 6$	$1 \times (3 \times 4 - 5) = 7$ $1 \times 3 \times 4 - 5 = 7$	$1 + 3 \times 4 - 5 = 8$	$1 + 4 \times (5 - 3) = 9$	$(1 + 4 - 3) \times 5 = 10$ $(1 + 4) \times 3 - 5 = 10$

1 3 4 6

$$\begin{array}{l} 1 \times (3 + 4 - 6) = 1 \\ 1 \div 3 + 4 \div 6 = 1 \end{array}$$

$$\begin{array}{l} 1 \times 3 \times 4 \div 6 = 2 \\ 1 + 3 + 4 - 6 = 2 \end{array}$$

$$\begin{array}{l} 1 + 3 \times 4 \div 6 = 3 \\ 1 \div 3 \times 4 \times 6 = 8 \end{array}$$

$$\begin{array}{l} 3 - 1 + 6 - 4 = 4 \\ (3 - 1) \times (6 - 4) = 4 \end{array}$$

$$\begin{array}{l} 1 \times (3 + 6 - 4) = 5 \\ (1 + 3) \times 4 - 6 = 10 \\ (1 + 4) \div 3 \times 6 = 10 \end{array}$$

1 3 4 7

$$\begin{array}{l} 1 + 3 + 4 - 7 = 1 \\ 1 \times (3 + 4) \div 7 = 1 \end{array}$$

$$\begin{array}{l} 1 + (3 + 4) \div 7 = 2 \\ 1 + 3 \div (7 - 4) = 2 \end{array}$$

$$\begin{array}{l} 4 \div (7 \div 3 - 1) = 3 \\ 7 \div (1 + 4 \div 3) = 3 \end{array}$$

$$\begin{array}{l} (1 + 4 + 7) \div 3 = 4 \\ (1 + 3) \times 4 - 7 = 9 \\ 1 \times 3 \times (7 - 4) = 9 \end{array}$$

$$\begin{array}{l} 1 \times (3 \times 4 - 7) = 5 \\ 1 \times 3 \times 4 - 7 = 5 \\ (3 - 1) \times 7 - 4 = 10 \end{array}$$

1 3 4 8

$$\begin{array}{l} (1 + 3 + 4) \div 8 = 1 \\ 1 \times (3 - 8 \div 4) = 1 \end{array}$$

$$\begin{array}{l} (1 - 3 \div 4) \times 8 = 2 \\ (1 + 3) \times 4 \div 8 = 2 \end{array}$$

$$\begin{array}{l} (1 + 3 + 8) \div 4 = 3 \\ 1 + 3 - 4 + 8 = 8 \\ (1 + 3) \times 4 - 8 = 8 \\ (1 + 3) \div 4 \times 8 = 8 \end{array}$$

$$\begin{array}{l} 1 \times (3 \times 4 - 8) = 4 \\ 1 \times 3 \times 4 - 8 = 4 \\ 1 \div 3 \times (4 + 8) = 4 \end{array}$$

$$\begin{array}{l} 1 + 3 \times 4 - 8 = 5 \\ 1 \times (3 + 8 \div 4) = 5 \\ 1 + 4 - 3 + 8 = 10 \end{array}$$

1 3 4 9

$$\begin{array}{l} 1 \times (4 - 9 \div 3) = 1 \\ 1 \times 4 - 9 \div 3 = 1 \\ (1 + 9 \div 3) \div 4 = 1 \end{array}$$

$$\begin{array}{l} 1 + 4 - 9 \div 3 = 2 \\ 1 \times (9 - (3 + 4)) = 2 \end{array}$$

$$\begin{array}{l} 1 \times (3 \times 4 - 9) = 3 \\ 1 \times 3 \times 4 - 9 = 3 \end{array}$$

$$\begin{array}{l} 1 + 3 \times 4 - 9 = 4 \\ 1 + (3 + 9) \div 4 = 4 \end{array}$$

$$\begin{array}{l} 3 + (9 - 1) \div 4 = 5 \\ (1 + 3) \div 4 + 9 = 10 \\ 1 \times (4 - 3 + 9) = 10 \\ 1 + (4 - 3) \times 9 = 10 \end{array}$$

1 3 5 5

$$\begin{array}{l} 1 + 3 \times (5 - 5) = 1 \\ 3 - (1 + 5 \div 5) = 1 \end{array}$$

$$\begin{array}{l} 1 \times (3 - 5 \div 5) = 2 \\ 1 \times 3 - 5 \div 5 = 2 \end{array}$$

$$\begin{array}{l} 1 \times (3 + 5 - 5) = 3 \\ 1 + 3 - 5 \div 5 = 3 \\ 1 \times 3 \times 5 \div 5 = 3 \end{array}$$

$$\begin{array}{l} 1 + 3 + 5 - 5 = 4 \\ 1 \times (3 + 5 \div 5) = 4 \\ 1 + 3 \times 5 \div 5 = 4 \end{array}$$

$$\begin{array}{l} 1 + 3 + 5 \div 5 = 5 \\ 1 \times (3 \times 5 - 5) = 10 \\ 1 \times 3 \times 5 - 5 = 10 \end{array}$$

1 3 5 6

$$\begin{array}{l} 3 - 1 + 5 - 6 = 1 \\ 3 - (1 + 6 - 5) = 1 \end{array}$$

$$\begin{array}{l} 1 \times (3 + 5 - 6) = 2 \\ 1 \times 3 + 5 - 6 = 2 \end{array}$$

$$\begin{array}{l} 1 + 3 + 5 - 6 = 3 \\ 1 \times (5 - 3 + 6) = 8 \\ (1 + 5) \div 3 + 6 = 8 \end{array}$$

$$\begin{array}{l} 1 \times (3 + 6 - 5) = 4 \\ 1 + 3 \times (6 - 5) = 4 \\ 1 \times (3 \times 5 - 6) = 9 \\ 1 \times 3 \times 5 - 6 = 9 \end{array}$$

$$\begin{array}{l} 1 + 3 + 6 - 5 = 5 \\ 1 + 3 \times 5 - 6 = 10 \\ 1 \div 3 \times 5 \times 6 = 10 \end{array}$$

1 3 5 7

$$\begin{array}{l} 1 \times (3 + 5 - 7) = 1 \\ 1 \times 3 + 5 - 7 = 1 \end{array}$$

$$\begin{array}{l} 1 + 3 + 5 - 7 = 2 \\ 1 + 3 \times (7 - 5) = 7 \\ 3 \times 5 - (1 + 7) = 7 \end{array}$$

$$\begin{array}{l} 1 + (3 + 7) \div 5 = 3 \\ (3 - 1) \times 5 - 7 = 3 \\ 1 \times (3 \times 5 - 7) = 8 \\ 1 \times 3 \times 5 - 7 = 8 \end{array}$$

$$\begin{array}{l} 1 \div 3 \times (5 + 7) = 4 \\ 1 \times (5 + 7) \div 3 = 4 \\ 1 + 3 \times 5 - 7 = 9 \\ 1 \times (5 - 3 + 7) = 9 \end{array}$$

$$\begin{array}{l} 1 \times (3 + 7 - 5) = 5 \\ 1 + 5 - 3 + 7 = 10 \end{array}$$

1 3 5 8

$$\begin{array}{l} 1 + 3 + 5 - 8 = 1 \\ 1 \times (3 + 5) \div 8 = 1 \end{array}$$

$$\begin{array}{l} 1 + (3 + 5) \div 8 = 2 \\ (1 + 3 \times 5) \div 8 = 2 \\ 1 + 3 \div (8 - 5) = 2 \end{array}$$

$$\begin{array}{l} 5 - 8 \div (1 + 3) = 3 \\ 5 \div (8 \div 3 - 1) = 3 \\ 1 + 3 \times 5 - 8 = 8 \end{array}$$

$$\begin{array}{l} 1 \div (5 - 3) \times 8 = 4 \\ 1 \times 8 \div (5 - 3) = 4 \\ 1 \times 3 \times (8 - 5) = 9 \\ 1 \times (5 - 3 + 8) = 10 \end{array}$$

$$\begin{array}{l} (1 + 3 \times 8) \div 5 = 5 \\ 1 + 8 \div (5 - 3) = 5 \end{array}$$

1 3 5 9

$(1+3+5) \div 9 = 1$ $(1+3) \div (9-5) = 1$	$(1+5) \times 3 \div 9 = 2$ $1 \times (5-9 \div 3) = 2$	$1+5-9 \div 3 = 3$ $3 \times (5-1) - 9 = 3$	$(9-1) \div (5-3) = 4$	$(1+5+9) \div 3 = 5$
$1 \times (3 \times 5 - 9) = 6$ $1 \times 3 \times 5 - 9 = 6$	$1+3 \times 5 - 9 = 7$ $1 \times (3+9-5) = 7$	$1+3+9-5 = 8$	$(1+5) \times 3 - 9 = 9$ $1+5+9 \div 3 = 9$	$5 - (1+3) + 9 = 10$ $5 - 1 - 3 + 9 = 10$

1 3 6 6

$1+3 \times (6-6) = 1$ $3 - (1+6 \div 6) = 1$	$1 \times (3-6 \div 6) = 2$ $1 \times 3 - 6 \div 6 = 2$ $1 \div (6-3) \times 6 = 2$	$1 \times (3+6-6) = 3$ $1+3-6 \div 6 = 3$ $1 \times 3 \times 6 \div 6 = 3$	$1+3+6-6 = 4$ $1 \times (3+6 \div 6) = 4$ $1+3 \times 6 \div 6 = 4$	$1+3+6 \div 6 = 5$
$(1+6 \div 6) \times 3 = 6$ $(3-1) \times 6 - 6 = 6$	$6-1+6 \div 3 = 7$ $6 \div 3 - 1 + 6 = 7$	$1 \div 3 \times 6 + 6 = 8$ $1 \times (6 \div 3 + 6) = 8$	$(1+3 \div 6) \times 6 = 9$ $1 \times (6-3+6) = 9$ $1+6 \div 3 + 6 = 9$	$1+6-3+6 = 10$

1 3 6 7

$3-1+6-7 = 1$ $3 - (1+7-6) = 1$	$1 \times (3+6-7) = 2$ $1 \times 3 + 6 - 7 = 2$	$1+3+6-7 = 3$	$1 \times (3+7-6) = 4$ $1+3 \times (7-6) = 4$	$1+3+7-6 = 5$
$1+7-6 \div 3 = 6$ $(1+7-6) \times 3 = 6$	$(6 \div 3 - 1) \times 7 = 7$	$(3-1) \times 7 - 6 = 8$	$1 \div 3 \times 6 + 7 = 9$ $1 \times (6 \div 3 + 7) = 9$	$1 \times (6-3+7) = 10$ $1+6 \div 3 + 7 = 10$

1 3 6 8

$1 \times (3+6-8) = 1$ $1 \times 3 + 6 - 8 = 1$	$1+3+6-8 = 2$	$(1+3) \times 6 \div 8 = 3$	$1 \times 3 \div 6 \times 8 = 4$ $(1-3 \div 6) \times 8 = 4$	$1+3 \div 6 \times 8 = 5$ $1 \times (3+8-6) = 5$
$1+3+8-6 = 6$ $1 \times 3 \times (8-6) = 6$	$1+3 \times (8-6) = 7$ $1+8-6 \div 3 = 7$	$(1+3) \times (8-6) = 8$ $(6 \div 3 - 1) \times 8 = 8$	$(1+8) \div 3 + 6 = 9$ $(1+8-6) \times 3 = 9$	$1 \times (3 \times 6 - 8) = 10$ $1 \times 3 \times 6 - 8 = 10$

1 3 6 9

$1+3+6-9 = 1$ $1 \times (3+6) \div 9 = 1$	$1 \times 3 \times 6 \div 9 = 2$ $1 + (3+6) \div 9 = 2$	$1+3 \times 6 \div 9 = 3$ $1 + (3+9) \div 6 = 3$	$(1-3 \div 9) \times 6 = 4$ $1+6-9 \div 3 = 4$	$1 \div 3 \times (6+9) = 5$ $1 \times (6+9) \div 3 = 5$
$(1+3) \div 6 \times 9 = 6$ $1 \times (3+9-6) = 6$	$1+3+9-6 = 7$	$(1+3 \div 9) \times 6 = 8$ $1+9-6 \div 3 = 8$	$1 \times (3 \times 6 - 9) = 9$ $1 \times 3 \times 6 - 9 = 9$	$1+3 \times 6 - 9 = 10$ $1+3 \times (9-6) = 10$

1 3 7 9

$1 \times (3+7-9) = 1$ $1 \times 3 + 7 - 9 = 1$	$1+3+7-9 = 2$	$3 \times (9 - (1+7)) = 3$ $3 \times (9 - 1 - 7) = 3$	$(1+3 \times 9) \div 7 = 4$ $1 \times (7-9 \div 3) = 4$ $1 \times 7 - 9 \div 3 = 4$	$1 \times (3+9-7) = 5$
$1+3+9-7 = 6$ $1 \times 3 \times (9-7) = 6$	$1+3 \times (9-7) = 7$	$(1+3) \times (9-7) = 8$ $(7+9) \div (3-1) = 8$	$(1+9-7) \times 3 = 9$	$1 \div 3 \times 9 + 7 = 10$ $1 \times (7+9 \div 3) = 10$ $1 \times 7 + 9 \div 3 = 10$

1 4 4 5

$1 + (4-4) \times 5 = 1$	$4-1+4-5 = 2$ $4 - (1+5-4) = 2$ $4 \div (1+5-4) = 2$	$1 \times (4+4-5) = 3$ $1 \times 4 + 4 - 5 = 3$	$1+4+4-5 = 4$ $(1+4) \times 4 \div 5 = 4$	$1 \times (4-4+5) = 5$ $1 \times 4 \div 4 \times 5 = 5$
$1+4-4+5 = 6$ $1 \times (4 \div 4 + 5) = 6$ $1+4 \div 4 \times 5 = 6$	$1+4 \div 4 + 5 = 7$	$(1+5-4) \times 4 = 8$	$(1+5 \div 4) \times 4 = 9$	$(1+4 \div 4) \times 5 = 10$ $4 \times 4 - (1+5) = 10$ $4 \times 4 - 1 - 5 = 10$

1 4 4 6

$1 + (4-4) \times 6 = 1$ $4-1+4-6 = 1$	$1 \times (4+4-6) = 2$ $1 \times 4 + 4 - 6 = 2$	$1+4+4-6 = 3$	$4 \times (6 - (1+4)) = 4$ $4 \times (6 - 1 - 4) = 4$	$1 \times (6-4 \div 4) = 5$ $1 \times 6 - 4 \div 4 = 5$ $4 - 1 + 6 - 4 = 5$
$1 \times (4-4+6) = 6$ $1 \times 4 \div 4 \times 6 = 6$	$1+4-4+6 = 7$ $1 \times (4 \div 4 + 6) = 7$ $1+4 \div 4 \times 6 = 7$	$1+4 \div 4 + 6 = 8$ $1 \times 4 \times (6-4) = 8$	$1+4 \times (6-4) = 9$ $4 \times 4 - (1+6) = 9$	$1 \times (4 \times 4 - 6) = 10$ $1 \times 4 \times 4 - 6 = 10$

1 4 4 8

$$\begin{aligned} 1 + 4 + 4 - 8 &= 1 \\ 1 \times (4 + 4) \div 8 &= 1 \\ 1 + (4 - 4) \times 8 &= 1 \end{aligned}$$

$$\begin{aligned} 1 \times 4 \times 4 \div 8 &= 2 \\ 1 + (4 + 4) \div 8 &= 2 \end{aligned}$$

$$\begin{aligned} 1 + 4 \times 4 \div 8 &= 3 \\ 1 \div 4 \times (4 + 8) &= 3 \end{aligned}$$

$$\begin{aligned} 1 + (4 + 8) \div 4 &= 4 \\ (4 - 1) \times 4 - 8 &= 4 \end{aligned}$$

$$\begin{aligned} 4 - 1 + 8 \div 4 &= 5 \\ 4 + 8 \div 4 - 1 &= 5 \end{aligned}$$

$$\begin{aligned} 1 \times (4 + 8 \div 4) &= 6 \\ 1 \times 4 + 8 \div 4 &= 6 \end{aligned}$$

$$\begin{aligned} 1 + 4 + 8 \div 4 &= 7 \\ 1 \times (8 - 4 \div 4) &= 7 \end{aligned}$$

$$\begin{aligned} 1 \times (4 - 4 + 8) &= 8 \\ 1 \times (4 \times 4 - 8) &= 8 \\ 1 \times 4 \div 4 \times 8 &= 8 \end{aligned}$$

$$\begin{aligned} 1 + 4 - 4 + 8 &= 9 \\ 1 + 4 \times 4 - 8 &= 9 \\ 1 \times (4 \div 4 + 8) &= 9 \end{aligned}$$

$$\begin{aligned} 1 + 4 \div 4 + 8 &= 10 \\ (1 + 4) \div 4 \times 8 &= 10 \end{aligned}$$

1 4 5 5

$$\begin{aligned} 1 + 4 \times (5 - 5) &= 1 \\ (1 - 4 \div 5) \times 5 &= 1 \\ 1 \div 5 + 4 \div 5 &= 1 \end{aligned}$$

$$(1 + 4 + 5) \div 5 = 2$$

$$\begin{aligned} 1 \times (4 - 5 \div 5) &= 3 \\ 1 \times 4 - 5 \div 5 &= 3 \\ 4 - (1 + 5 - 5) &= 3 \end{aligned}$$

$$\begin{aligned} 1 \times (4 + 5 - 5) &= 4 \\ 1 + 4 - 5 \div 5 &= 4 \\ 1 \times 4 \times 5 \div 5 &= 4 \end{aligned}$$

$$\begin{aligned} 1 + 4 + 5 - 5 &= 5 \\ 1 \times (4 + 5 \div 5) &= 5 \\ 1 + 4 \times 5 \div 5 &= 5 \end{aligned}$$

$$\begin{aligned} 1 + 4 + 5 \div 5 &= 6 \\ (1 + 4) \div 5 + 5 &= 6 \end{aligned}$$

$$1 + 5 - 4 + 5 = 7$$

$$(1 + 5 \div 5) \times 4 = 8$$

$$(1 + 4 \div 5) \times 5 = 9$$

$$\begin{aligned} (1 + 5 - 4) \times 5 &= 10 \\ (4 - 1) \times 5 - 5 &= 10 \end{aligned}$$

1 4 5 6

$$(4 + 6) \div 5 - 1 = 1$$

$$\begin{aligned} 1 \times (4 + 6) \div 5 &= 2 \\ (1 \times 4 + 6) \div 5 &= 2 \end{aligned}$$

$$\begin{aligned} 1 \times (4 + 5 - 6) &= 3 \\ 1 \times 4 + 5 - 6 &= 3 \end{aligned}$$

$$1 + 4 + 5 - 6 = 4$$

$$\begin{aligned} 1 \times (4 + 6 - 5) &= 5 \\ 1 + 4 \times (6 - 5) &= 5 \end{aligned}$$

$$\begin{aligned} 1 + 4 - 5 + 6 &= 6 \\ (1 + 4) \div 5 \times 6 &= 6 \end{aligned}$$

$$\begin{aligned} (1 + 4) \div 5 + 6 &= 7 \\ 1 \times (5 - 4 + 6) &= 7 \\ 1 + (5 - 4) \times 6 &= 7 \end{aligned}$$

$$1 + 5 - 4 + 6 = 8$$

$$\begin{aligned} (1 + 5) \div 4 \times 6 &= 9 \\ (1 + 5) \times 6 \div 4 &= 9 \end{aligned}$$

$$1 \times 5 \times (6 - 4) = 10$$

1 4 5 7

$$\begin{aligned} 4 - 1 + 5 - 7 &= 1 \\ 4 - (1 + 7 - 5) &= 1 \end{aligned}$$

$$\begin{aligned} 1 \times (4 + 5 - 7) &= 2 \\ 1 \times 4 + 5 - 7 &= 2 \end{aligned}$$

$$\begin{aligned} 1 + 4 + 5 - 7 &= 3 \\ (1 + 4 \times 5) \div 7 &= 3 \end{aligned}$$

$$\begin{aligned} 1 + (5 + 7) \div 4 &= 4 \\ 4 \times (7 - (1 + 5)) &= 4 \end{aligned}$$

$$\begin{aligned} 4 - 1 + 7 - 5 &= 5 \\ 4 + 7 - (1 + 5) &= 5 \end{aligned}$$

$$1 \times (4 + 7 - 5) = 6$$

$$\begin{aligned} 1 + 4 - 5 + 7 &= 7 \\ (1 + 4) \div 5 \times 7 &= 7 \end{aligned}$$

$$\begin{aligned} (1 + 4) \div 5 + 7 &= 8 \\ 1 \times 4 \times (7 - 5) &= 8 \end{aligned}$$

$$\begin{aligned} 1 + 4 \times (7 - 5) &= 9 \\ 1 + 5 - 4 + 7 &= 9 \end{aligned}$$

$$\begin{aligned} (1 + 4) \times (7 - 5) &= 10 \\ (1 + 7) \div 4 \times 5 &= 10 \end{aligned}$$

1 4 5 8

$$\begin{aligned} 1 \times (4 + 5 - 8) &= 1 \\ 1 \times 4 + 5 - 8 &= 1 \end{aligned}$$

$$1 + 4 + 5 - 8 = 2$$

$$\begin{aligned} (1 + 5) \times 4 \div 8 &= 3 \\ 1 \times (5 - 8 \div 4) &= 3 \end{aligned}$$

$$1 + 5 - 8 \div 4 = 4$$

$$5 \times (8 \div 4 - 1) = 5$$

$$\begin{aligned} 4 - 1 + 8 - 5 &= 6 \\ 4 + 8 - (1 + 5) &= 6 \end{aligned}$$

$$1 \times (4 + 8 - 5) = 7$$

$$\begin{aligned} 1 + 4 - 5 + 8 &= 8 \\ (1 + 4) \div 5 \times 8 &= 8 \end{aligned}$$

$$\begin{aligned} (1 + 4) \div 5 + 8 &= 9 \\ 1 \times (5 - 4 + 8) &= 9 \\ 1 + (5 - 4) \times 8 &= 9 \end{aligned}$$

$$1 \div 4 \times 5 \times 8 = 10$$

1 4 5 9

$$\begin{aligned} 1 + 4 + 5 - 9 &= 1 \\ 1 \times (4 + 5) \div 9 &= 1 \end{aligned}$$

$$\begin{aligned} 1 + (4 + 5) \div 9 &= 2 \\ 1 + 4 \div (9 - 5) &= 2 \end{aligned}$$

$$5 - (9 - 1) \div 4 = 3$$

$$\begin{aligned} 5 \div (9 \div 4 - 1) &= 4 \\ 9 \div (1 + 5 \div 4) &= 4 \end{aligned}$$

$$\begin{aligned} 4 \div (9 \div 5 - 1) &= 5 \\ 9 \div (1 + 4 \div 5) &= 5 \end{aligned}$$

$$\begin{aligned} (1 + 9) \div 5 + 4 &= 6 \\ 4 \div (1 + 5) \times 9 &= 6 \\ (4 - 1) \times 5 - 9 &= 6 \end{aligned}$$

$$\begin{aligned} 4 - 1 + 9 - 5 &= 7 \\ 4 \times (5 - 1) - 9 &= 7 \end{aligned}$$

$$1 \times (4 + 9 - 5) = 8$$

$$\begin{aligned} 1 + 4 - 5 + 9 &= 9 \\ (1 + 4) \div 5 \times 9 &= 9 \end{aligned}$$

$$\begin{aligned} (1 + 4) \div 5 + 9 &= 10 \\ 1 \times (5 - 4 + 9) &= 10 \\ 1 + (5 - 4) \times 9 &= 10 \end{aligned}$$

1 4 6 6

$$1 + 4 \times (6 - 6) = 1$$

$$\begin{aligned} (1 - 4 \div 6) \times 6 &= 2 \\ 4 - (1 + 6 \div 6) &= 2 \\ 4 \div (1 + 6 \div 6) &= 2 \end{aligned}$$

$$\begin{aligned} 1 \times (4 - 6 \div 6) &= 3 \\ 1 \times 4 - 6 \div 6 &= 3 \\ 1 \div 4 \times (6 + 6) &= 3 \end{aligned}$$

$$\begin{aligned} 1 \times (4 + 6 - 6) &= 4 \\ 1 + 4 - 6 \div 6 &= 4 \\ 1 \times 4 \times 6 \div 6 &= 4 \end{aligned}$$

$$\begin{aligned} 1 + 4 + 6 - 6 &= 5 \\ 1 \times (4 + 6 \div 6) &= 5 \\ 1 + 4 \times 6 \div 6 &= 5 \end{aligned}$$

$$1 + 4 + 6 \div 6 = 6$$

$$\begin{aligned} 6 - (1 + 4) + 6 &= 7 \\ 6 - 1 - 4 + 6 &= 7 \end{aligned}$$

$$\begin{aligned} 1 \times (6 - 4 + 6) &= 8 \\ 1 \times 6 - 4 + 6 &= 8 \end{aligned}$$

$$\begin{aligned} 1 \div 4 \times 6 \times 6 &= 9 \\ 1 + 6 - 4 + 6 &= 9 \end{aligned}$$

$$\begin{aligned} (1 + 4 \div 6) \times 6 &= 10 \\ 1 + 6 \div 4 \times 6 &= 10 \end{aligned}$$

1 4 6 7

$$6 \div (7 - 4) - 1 = 1$$

$$\begin{aligned} (1 + 4 + 7) \div 6 &= 2 \\ 1 \times 6 \div (7 - 4) &= 2 \end{aligned}$$

$$\begin{aligned} 1 \times (4 + 6 - 7) &= 3 \\ 1 \times 4 + 6 - 7 &= 3 \end{aligned}$$

$$1 + 4 + 6 - 7 = 4$$

$$\begin{aligned} 1 \times (4 + 7 - 6) &= 5 \\ 1 + 4 \times (7 - 6) &= 5 \end{aligned}$$

$$1 + 4 + 7 - 6 = 6$$

$$\begin{aligned} (6 - (1 + 4)) \times 7 &= 7 \\ (6 - 1 - 4) \times 7 &= 7 \end{aligned}$$

$$\begin{aligned} (1 + 7) \div 4 + 6 &= 8 \\ (1 + 7 - 6) \times 4 &= 8 \end{aligned}$$

$$\begin{aligned} 1 \times (6 - 4 + 7) &= 9 \\ 1 \times 6 - 4 + 7 &= 9 \end{aligned}$$

$$1 + 6 - 4 + 7 = 10$$

1 4 6 8

$1 \div 4 + 6 \div 8 = 1$ $(1 - 6 \div 8) \times 4 = 1$	$1 \times (4 + 6 - 8) = 2$ $1 \times 4 + 6 - 8 = 2$	$1 \times 4 \times 6 \div 8 = 3$ $1 + 4 + 6 - 8 = 3$	$1 + 4 \times 6 \div 8 = 4$	$1 + 6 - 8 \div 4 = 5$ $1 + 8 \div (6 - 4) = 5$
$1 \times (4 + 8 - 6) = 6$	$1 + 4 + 8 - 6 = 7$	$1 \times 4 \times (8 - 6) = 8$ $1 \div 4 \times 8 + 6 = 8$	$1 + 4 \times (8 - 6) = 9$ $(1 + 4 \div 8) \times 6 = 9$ $1 + 6 + 8 \div 4 = 9$	$(1 + 4) \times (8 - 6) = 10$ $1 \times (6 - 4 + 8) = 10$

1 4 6 9

$1 \times (4 + 6 - 9) = 1$ $1 \times 4 + 6 - 9 = 1$	$1 + 4 + 6 - 9 = 2$	$(1 - 4 \div 6) \times 9 = 3$ $4 \times 6 \div (9 - 1) = 3$	$(1 + 6 + 9) \div 4 = 4$	$(1 + 9) \div (6 - 4) = 5$ $4 \div 6 \times 9 - 1 = 5$
$1 \times 4 \div 6 \times 9 = 6$	$1 + 4 \div 6 \times 9 = 7$ $1 \times (4 + 9 - 6) = 7$	$1 + 4 + 9 - 6 = 8$	$(4 - 1) \times 6 - 9 = 9$ $(4 - 1) \times (9 - 6) = 9$ $(6 - (1 + 4)) \times 9 = 9$	$(1 + 9 \div 6) \times 4 = 10$

1 4 7 9

$4 - 1 + 7 - 9 = 1$ $4 - (1 + 9 - 7) = 1$	$1 \times (4 + 7 - 9) = 2$ $1 \times 4 + 7 - 9 = 2$	$1 + 4 + 7 - 9 = 3$	$1 \div 4 \times (7 + 9) = 4$ $1 \times (7 + 9) \div 4 = 4$	$1 + (7 + 9) \div 4 = 5$ $4 - 1 + 9 - 7 = 5$
$1 \times (4 + 9 - 7) = 6$	$1 + 4 + 9 - 7 = 7$	$1 \times 4 \times (9 - 7) = 8$	$1 + 4 \times (9 - 7) = 9$	$(1 + 4) \times (9 - 7) = 10$ $7 + 9 \div (4 - 1) = 10$

1 4 8 8

$1 + 4 \times (8 - 8) = 1$	$1 \div (8 - 4) \times 8 = 2$ $1 \times 8 \div (8 - 4) = 2$	$1 \times (4 - 8 \div 8) = 3$ $1 \times 4 - 8 \div 8 = 3$ $1 + 8 \div (8 - 4) = 3$	$1 \times (4 + 8 - 8) = 4$ $1 + 4 - 8 \div 8 = 4$ $1 \times 4 \times 8 \div 8 = 4$	$1 + 4 + 8 - 8 = 5$ $1 \times (4 + 8 \div 8) = 5$ $1 + 4 \times 8 \div 8 = 5$
$1 + 4 + 8 \div 8 = 6$ $1 \times (8 - 8 \div 4) = 6$	$1 + 8 - 8 \div 4 = 7$	$(1 + 8 \div 8) \times 4 = 8$	$8 - 1 + 8 \div 4 = 9$ $8 \div 4 - 1 + 8 = 9$	$1 \div 4 \times 8 + 8 = 10$ $1 \times (8 \div 4 + 8) = 10$

1 5 5 7

$1 + (5 - 5) \times 7 = 1$	$5 - 1 + 5 - 7 = 2$ $5 - (1 + 7 - 5) = 2$ $(5 - 1) \div (7 - 5) = 2$	$1 \times (5 + 5 - 7) = 3$ $1 \times 5 + 5 - 7 = 3$	$1 + 5 + 5 - 7 = 4$	$5 \times (7 - (1 + 5)) = 5$ $5 \times (7 - 1 - 5) = 5$
$1 \times (7 - 5 \div 5) = 6$ $1 \times 7 - 5 \div 5 = 6$ $5 - 1 + 7 - 5 = 6$	$1 \times (5 - 5 + 7) = 7$ $1 \times 5 \div 5 \times 7 = 7$	$1 + 5 - 5 + 7 = 8$ $1 \times (5 \div 5 + 7) = 8$ $1 + 5 \div 5 \times 7 = 8$	$1 + 5 \div 5 + 7 = 9$	$1 \times 5 \times (7 - 5) = 10$

1 5 6 6

$1 + 5 \times (6 - 6) = 1$ $(1 - 5 \div 6) \times 6 = 1$ $1 \div 6 + 5 \div 6 = 1$	$(1 + 5 + 6) \div 6 = 2$	$5 - (1 + 6 \div 6) = 3$ $5 - 1 - 6 \div 6 = 3$	$1 \times (5 - 6 \div 6) = 4$ $1 \times 5 - 6 \div 6 = 4$ $5 - (1 + 6 - 6) = 4$	$1 \times (5 + 6 - 6) = 5$ $1 + 5 - 6 \div 6 = 5$ $1 \times 5 \times 6 \div 6 = 5$
$1 + 5 + 6 - 6 = 6$ $1 \times (5 + 6 \div 6) = 6$ $1 + 5 \times 6 \div 6 = 6$	$1 + 5 + 6 \div 6 = 7$ $(1 + 5) \div 6 + 6 = 7$	$1 + 6 - 5 + 6 = 8$	$6 \div (5 - 1) \times 6 = 9$ $6 \times 6 \div (5 - 1) = 9$	$(1 + 6 \div 6) \times 5 = 10$

1 5 6 7

$(5 + 7) \div 6 - 1 = 1$	$1 \times (5 + 7) \div 6 = 2$ $(1 \times 5 + 7) \div 6 = 2$	$1 + (5 + 7) \div 6 = 3$ $1 \times 6 \div (7 - 5) = 3$	$1 \times (5 + 6 - 7) = 4$ $1 \times 5 + 6 - 7 = 4$	$1 + 5 + 6 - 7 = 5$
$1 \times (5 + 7 - 6) = 6$ $1 + 5 \times (7 - 6) = 6$	$1 + 5 - 6 + 7 = 7$ $(1 + 5) \div 6 \times 7 = 7$	$(1 + 5) \div 6 + 7 = 8$ $1 \times (6 - 5 + 7) = 8$ $1 + (6 - 5) \times 7 = 8$	$1 + 6 - 5 + 7 = 9$	$(1 + 7 - 6) \times 5 = 10$

1 5 6 8

$6 \div (8 - 5) - 1 = 1$	$1 \times 6 \div (8 - 5) = 2$	$1 \times (5 + 6 - 8) = 3$ $1 \times 5 + 6 - 8 = 3$	$1 + 5 + 6 - 8 = 4$	$5 \times (8 - (1 + 6)) = 5$ $5 \times (8 - 1 - 6) = 5$
$5 - 1 + 8 - 6 = 6$ $5 + 8 - (1 + 6) = 6$	$1 \times (5 + 8 - 6) = 7$	$1 + 5 - 6 + 8 = 8$ $(1 + 5) \div 6 \times 8 = 8$	$(1 + 5) \div 6 + 8 = 9$ $1 \times (6 - 5 + 8) = 9$ $1 + (6 - 5) \times 8 = 9$	$1 \times 5 \times (8 - 6) = 10$ $1 + 6 - 5 + 8 = 10$

1 5 7 7

$1 + 5 \times (7 - 7) = 1$	$(1 - 5 \div 7) \times 7 = 2$ $(5 + 7) \div (7 - 1) = 2$	$(1 + 7 + 7) \div 5 = 3$ $5 - (1 + 7 \div 7) = 3$	$1 \times (5 - 7 \div 7) = 4$ $1 \times 5 - 7 \div 7 = 4$ $(1 + 7) \div (7 - 5) = 4$	$1 \times (5 + 7 - 7) = 5$ $1 + 5 - 7 \div 7 = 5$ $1 \times 5 \times 7 \div 7 = 5$
$1 + 5 + 7 - 7 = 6$ $1 \times (5 + 7 \div 7) = 6$ $1 + 5 \times 7 \div 7 = 6$	$1 + 5 + 7 \div 7 = 7$	$7 - (1 + 5) + 7 = 8$ $7 - 1 - 5 + 7 = 8$	$1 \times (7 - 5 + 7) = 9$ $1 \times 7 - 5 + 7 = 9$	$1 + 7 - 5 + 7 = 10$

1 5 7 9

$(5 + 9) \div 7 - 1 = 1$	$1 \times (5 + 9) \div 7 = 2$ $(1 \times 5 + 9) \div 7 = 2$	$1 \times (5 + 7 - 9) = 3$ $1 \times 5 + 7 - 9 = 3$	$1 + 5 + 7 - 9 = 4$ $(1 + 5 \times 7) \div 9 = 4$	$(1 + 9) \div (7 - 5) = 5$ $5 \times (9 - (1 + 7)) = 5$ $5 \times (9 - 1 - 7) = 5$
$5 - 1 + 9 - 7 = 6$ $5 + 9 - (1 + 7) = 6$	$1 \times (5 + 9 - 7) = 7$	$1 + 5 + 9 - 7 = 8$	$(1 + 9) \div 5 + 7 = 9$ $5 \times (9 - 7) - 1 = 9$ $(7 - (1 + 5)) \times 9 = 9$	$1 \times 5 \times (9 - 7) = 10$

1 6 6 8

$1 + (6 - 6) \times 8 = 1$	$6 \div (1 + 8 - 6) = 2$	$1 \times 6 \div (8 - 6) = 3$	$1 \times (6 + 6 - 8) = 4$ $1 \times 6 + 6 - 8 = 4$	$1 + 6 + 6 - 8 = 5$
$6 \times (8 - (1 + 6)) = 6$ $6 \times (8 - 1 - 6) = 6$	$1 \times (8 - 6 \div 6) = 7$ $1 \times 8 - 6 \div 6 = 7$ $6 - 1 + 8 - 6 = 7$	$1 \times (6 - 6 + 8) = 8$ $1 \times 6 \div 6 \times 8 = 8$	$1 + 6 - 6 + 8 = 9$ $1 \times (6 \div 6 + 8) = 9$ $1 + 6 \div 6 \times 8 = 9$	$1 + 6 \div 6 + 8 = 10$

1 6 7 8

$(6 + 8) \div 7 - 1 = 1$	$1 \times (6 + 8) \div 7 = 2$ $(1 \times 6 + 8) \div 7 = 2$	$1 + (6 + 8) \div 7 = 3$ $6 \div (1 + 8 - 7) = 3$	$(1 + 7) \div (8 - 6) = 4$ $6 - 1 + 7 - 8 = 4$ $6 - (1 + 8 - 7) = 4$	$1 \times (6 + 7 - 8) = 5$ $1 \times 6 + 7 - 8 = 5$
$1 + 6 + 7 - 8 = 6$	$1 \times (6 + 8 - 7) = 7$ $1 + 6 \times (8 - 7) = 7$	$1 + 6 - 7 + 8 = 8$ $(1 + 6) \div 7 \times 8 = 8$	$(1 + 6) \div 7 + 8 = 9$ $1 \times (7 - 6 + 8) = 9$ $1 + (7 - 6) \times 8 = 9$	$1 + 7 - 6 + 8 = 10$

1 6 8 8

$1 + 6 \times (8 - 8) = 1$	$(1 - 6 \div 8) \times 8 = 2$ $(6 + 8) \div (8 - 1) = 2$	$6 \div (1 + 8 \div 8) = 3$ $8 \div (8 - 6) - 1 = 3$	$1 \div (8 - 6) \times 8 = 4$ $1 \times 8 \div (8 - 6) = 4$	$1 \times (6 - 8 \div 8) = 5$ $1 \times 6 - 8 \div 8 = 5$ $1 + 8 \div (8 - 6) = 5$
$1 \times (6 + 8 - 8) = 6$ $1 + 6 - 8 \div 8 = 6$ $1 \times 6 \times 8 \div 8 = 6$	$1 + 6 + 8 - 8 = 7$ $1 \times (6 + 8 \div 8) = 7$ $1 + 6 \times 8 \div 8 = 7$	$1 + 6 + 8 \div 8 = 8$	$8 - (1 + 6) + 8 = 9$ $8 - 1 - 6 + 8 = 9$	$1 \times (8 - 6 + 8) = 10$ $1 \times 8 - 6 + 8 = 10$

1 7 7 9

$1 + (7 - 7) \times 9 = 1$	$(7 + 9) \div (1 + 7) = 2$ $7 \times (9 \div 7 - 1) = 2$	$(7 - 1) \div (9 - 7) = 3$	$(1 + 7) \div (9 - 7) = 4$ $7 - 1 + 7 - 9 = 4$ $7 - (1 + 9 - 7) = 4$	$1 \times (7 + 7 - 9) = 5$ $1 \times 7 + 7 - 9 = 5$
$1 + 7 + 7 - 9 = 6$	$7 \times (9 - (1 + 7)) = 7$ $7 \times (9 - 1 - 7) = 7$	$1 \times (9 - 7 \div 7) = 8$ $1 \times 9 - 7 \div 7 = 8$ $7 - 1 + 9 - 7 = 8$	$1 \times (7 - 7 + 9) = 9$ $1 \times 7 \div 7 \times 9 = 9$	$1 + 7 - 7 + 9 = 10$ $1 \times (7 \div 7 + 9) = 10$ $1 + 7 \div 7 \times 9 = 10$

1 7 8 9

$(7 + 9) \div 8 - 1 = 1$	$1 \times (7 + 9) \div 8 = 2$ $(1 \times 7 + 9) \div 8 = 2$	$1 + (7 + 9) \div 8 = 3$	$1 \times 8 \div (9 - 7) = 4$	$1 + 8 \div (9 - 7) = 5$ $7 - 1 + 8 - 9 = 5$ $7 - (1 + 9 - 8) = 5$
$1 \times (7 + 8 - 9) = 6$ $1 \times 7 + 8 - 9 = 6$	$1 + 7 + 8 - 9 = 7$	$1 \times (7 + 9 - 8) = 8$ $1 + 7 \times (9 - 8) = 8$	$1 + 7 - 8 + 9 = 9$ $(1 + 7) \div 8 \times 9 = 9$	$(1 + 7) \div 8 + 9 = 10$ $1 \times (8 - 7 + 9) = 10$ $1 + (8 - 7) \times 9 = 10$

1 7 9 9

$1 + 7 \times (9 - 9) = 1$	$(1 - 7 \div 9) \times 9 = 2$ $(7 + 9) \div (9 - 1) = 2$	$9 \div (1 + 9 - 7) = 3$	$(9 - 1) \div (9 - 7) = 4$	$(1 + 9) \div (9 - 7) = 5$ $7 - (1 + 9 \div 9) = 5$ $7 - 1 - 9 \div 9 = 5$
$1 \times (7 - 9 \div 9) = 6$ $1 \times 7 - 9 \div 9 = 6$ $7 - (1 + 9 - 9) = 6$	$1 \times (7 + 9 - 9) = 7$ $1 + 7 - 9 \div 9 = 7$ $1 \times 7 \times 9 \div 9 = 7$	$1 + 7 + 9 - 9 = 8$ $1 \times (7 + 9 \div 9) = 8$ $1 + 7 \times 9 \div 9 = 8$	$1 + 7 + 9 \div 9 = 9$	$9 - (1 + 7) + 9 = 10$ $9 - 1 - 7 + 9 = 10$

2 2 2 3

$$(2 + 2 \div 2) \div 3 = 1$$

$$2 \div (2 \times (3 - 2)) = 1$$

$$2 \times (2 + 2 - 3) = 2$$

$$2 + (2 - 2) \times 3 = 2$$

$$2 \times (2 \times 2 - 3) = 2$$

$$2 + 2 + 2 - 3 = 3$$

$$2 + 2 \times 2 - 3 = 3$$

$$2 - 2 \div 2 + 3 = 4$$

$$2 + 2 \times (3 - 2) = 4$$

$$2 \times 2 \times (3 - 2) = 4$$

$$2 + 2 - 2 + 3 = 5$$

$$2 + 2 \div 2 \times 3 = 5$$

$$2 \times (2 + 2) - 3 = 5$$

$$2 \times (2 - 2 + 3) = 6$$

$$2 + 2 \div 2 + 3 = 6$$

$$2 \times 2 \div 2 \times 3 = 6$$

$$2 \div 2 + 2 \times 3 = 7$$

$$2 \times (2 + 3 \div 2) = 7$$

$$2 \times (2 \div 2 + 3) = 8$$

$$2 \times (2 \times 3 - 2) = 8$$

$$2 \times (2 + 3) - 2 = 8$$

$$2 + 2 + 2 + 3 = 9$$

$$2 + 2 \times 2 + 3 = 9$$

$$2 + 2 + 2 \times 3 = 10$$

$$2 \times 2 + 2 \times 3 = 10$$

2 2 2 4

$$2 - 2 \times 2 \div 4 = 1$$

$$2 - (2 + 2) \div 4 = 1$$

$$2 \times 2 \times 2 \div 4 = 2$$

$$2 + 2 + 2 - 4 = 2$$

$$2 \times (2 + 2) \div 4 = 2$$

$$2 \times (2 - 2 \div 4) = 3$$

$$2 + 2 \times 2 \div 4 = 3$$

$$2 + (2 + 2) \div 4 = 3$$

$$2 \times (2 + 2) - 4 = 4$$

$$2 \times 2 \times 2 - 4 = 4$$

$$2 \times (2 + 2 \div 4) = 5$$

$$2 - 2 \div 2 + 4 = 5$$

$$2 + (2 + 4) \div 2 = 5$$

$$2 + 2 - 2 + 4 = 6$$

$$2 + 2 \div 2 \times 4 = 6$$

$$2 + 2 \div 2 + 4 = 7$$

$$2 \times (2 - 2 + 4) = 8$$

$$2 \times 2 \div 2 \times 4 = 8$$

$$2 \div 2 + 2 \times 4 = 9$$

$$2 \times 4 + 2 \div 2 = 9$$

$$2 + 2 + 2 + 4 = 10$$

$$2 + 2 \times 2 + 4 = 10$$

2 2 2 5

$$2 + 2 + 2 - 5 = 1$$

$$2 + 2 \times 2 - 5 = 1$$

$$2 + (2 - 2) \times 5 = 2$$

$$2 \times (5 - (2 + 2)) = 2$$

$$2 \times (2 + 2) - 5 = 3$$

$$2 \times 2 \times 2 - 5 = 3$$

$$2 \div 2 + 5 - 2 = 4$$

$$2 \div (5 \div 2 - 2) = 4$$

$$2 \times (2 - 2) + 5 = 5$$

$$(2 - 2 \div 2) \times 5 = 5$$

$$2 - 2 \div 2 + 5 = 6$$

$$(2 + 2 \times 5) \div 2 = 6$$

$$2 + 2 - 2 + 5 = 7$$

$$2 + 2 \div 2 \times 5 = 7$$

$$2 + 2 \div 2 + 5 = 8$$

$$2 \times (2 + 5 \div 2) = 9$$

$$2 \times (2 - 2 + 5) = 10$$

$$2 \times 2 \div 2 \times 5 = 10$$

2 2 2 6

$$(2 + 2 + 2) \div 6 = 1$$

$$(2 + 2 \times 2) \div 6 = 1$$

$$2 + (2 - 2) \times 6 = 2$$

$$2 \times (2 + 2) - 6 = 2$$

$$2 \times 2 \times 2 - 6 = 2$$

$$2 \div (2 \times 2 \div 6) = 3$$

$$2 \div (2 + 2) \times 6 = 3$$

$$2 \div (2 \times 2) \times 6 = 3$$

$$2 - 2 + 6 - 2 = 4$$

$$2 \div 2 \times (6 - 2) = 4$$

$$2 \div 2 + 6 \div 2 = 4$$

$$(2 + 2 + 6) \div 2 = 5$$

$$2 \div 2 + 6 - 2 = 5$$

$$2 \times (2 - 2) + 6 = 6$$

$$(2 - 2 \div 2) \times 6 = 6$$

$$2 - 2 \div 2 + 6 = 7$$

$$2 + 2 + 6 \div 2 = 7$$

$$(2 + 2 \times 6) \div 2 = 7$$

$$2 + 2 - 2 + 6 = 8$$

$$2 + 2 \div 2 \times 6 = 8$$

$$2 + 2 \div 2 + 6 = 9$$

$$2 + 2 \times (6 - 2) = 10$$

$$2 \times (2 + 6 \div 2) = 10$$

2 2 2 7

$$2 \times (2 + 2) - 7 = 1$$

$$2 \times 2 \times 2 - 7 = 1$$

$$2 + (2 - 2) \times 7 = 2$$

$$2 \times (7 \div 2 - 2) = 3$$

$$(7 - 2 \div 2) \div 2 = 3$$

$$(2 \div 2 + 7) \div 2 = 4$$

$$7 - (2 + 2 \div 2) = 4$$

$$2 - 2 + 7 - 2 = 5$$

$$2 \div 2 \times (7 - 2) = 5$$

$$2 \div 2 + 7 - 2 = 6$$

$$2 \times (7 - (2 + 2)) = 6$$

$$2 \times (2 - 2) + 7 = 7$$

$$(2 - 2 \div 2) \times 7 = 7$$

$$2 - 2 \div 2 + 7 = 8$$

$$(2 + 2 \times 7) \div 2 = 8$$

$$2 + 2 - 2 + 7 = 9$$

$$2 + 2 \div 2 \times 7 = 9$$

$$2 + 2 \div 2 + 7 = 10$$

2 2 2 8

$$2 \times 2 \times 2 \div 8 = 1$$

$$2 \times (2 + 2) \div 8 = 1$$

$$2 + (2 - 2) \times 8 = 2$$

$$(2 + 8 \div 2) \div 2 = 3$$

$$(2 + 8) \div 2 - 2 = 3$$

$$8 \div 2 - 2 \div 2 = 3$$

$$2 \div (2 \times 2 \div 8) = 4$$

$$2 \div (2 + 2) \times 8 = 4$$

$$2 \div (2 \times 2) \times 8 = 4$$

$$2 \div 2 + 8 \div 2 = 5$$

$$2 + (8 - 2) \div 2 = 5$$

$$8 - (2 + 2 \div 2) = 5$$

$$(2 + 2 + 8) \div 2 = 6$$

$$2 - 2 + 8 - 2 = 6$$

$$2 \div 2 \times (8 - 2) = 6$$

$$2 + (2 + 8) \div 2 = 7$$

$$2 \div 2 + 8 - 2 = 7$$

$$2 \times (2 - 2) + 8 = 8$$

$$(2 - 2 \div 2) \times 8 = 8$$

$$2 - 2 \div 2 + 8 = 9$$

$$(2 + 2 \times 8) \div 2 = 9$$

$$2 + 2 - 2 + 8 = 10$$

$$2 + 2 \div 2 \times 8 = 10$$

2 2 2 9

$$9 - 2 \times (2 + 2) = 1$$

$$9 - 2 \times 2 \times 2 = 1$$

$$2 + (2 - 2) \times 9 = 2$$

$$9 - (2 + 2 + 2) = 3$$

$$9 - (2 + 2 \times 2) = 3$$

$$9 \div (2 + 2 \div 2) = 3$$

$$(9 - 2 \div 2) \div 2 = 4$$

$$(2 \div 2 + 9) \div 2 = 5$$

$$2 \times (9 \div 2 - 2) = 5$$

$$9 - (2 + 2 \div 2) = 6$$

$$9 - 2 \div 2 - 2 = 6$$

$$2 - 2 + 9 - 2 = 7$$

$$2 \div 2 \times (9 - 2) = 7$$

$$2 \div 2 + 9 - 2 = 8$$

$$(2 \times 9 - 2) \div 2 = 8$$

$$2 \times (2 - 2) + 9 = 9$$

$$(2 - 2 \div 2) \times 9 = 9$$

$$2 - 2 \div 2 + 9 = 10$$

$$(2 + 2 \times 9) \div 2 = 10$$

$$2 \times (9 - (2 + 2)) = 10$$

2 2 3 3

$$2 \div (2 + 3 - 3) = 1$$

$$2 \div (2 \times 3 \div 3) = 1$$

$$2 + 2 \times (3 - 3) = 2$$

$$2 \times (2 - 3 \div 3) = 2$$

$$2 \div 2 + 3 \div 3 = 2$$

$$2 + 2 - 3 \div 3 = 3$$

$$2 \times 2 - 3 \div 3 = 3$$

$$2 + 2 + 3 - 3 = 4$$

$$2 \times (2 + 3 - 3) = 4$$

$$2 + 2 \times 3 \div 3 = 4$$

$$2 + 2 + 3 \div 3 = 5$$

$$2 + 2 \times 3 - 3 = 5$$

$$2 \times (2 + 3 \div 3) = 6$$

$$2 \times (2 \times 3 - 3) = 6$$

$$2 - 2 + 3 + 3 = 6$$

$$2 \times (2 + 3) - 3 = 7$$

$$2 \div 2 + 3 + 3 = 7$$

$$(2 + 2 \div 3) \times 3 = 8$$

$$2 \times (3 - 2 + 3) = 8$$

$$2 \times 2 \times 3 - 3 = 9$$

$$2 - 2 + 3 \times 3 = 9$$

$$2 \div 2 \times 3 \times 3 = 9$$

$$2 + 2 + 3 + 3 = 10$$

2 2 3 4

$2 \div (2 \times 3 - 4) = 1$ $(2 \div 2 + 3) \div 4 = 1$ $2 \div (2 \times (4 - 3)) = 1$	$2 \times (2 + 3 - 4) = 2$ $(2 + 2 \times 3) \div 4 = 2$ $2 \div 2 + 4 - 3 = 2$	$2 \times 2 \times 3 \div 4 = 3$ $2 + 2 + 3 - 4 = 3$	$2 + 2 \times 3 - 4 = 4$ $2 \times (2 \times 3 - 4) = 4$	$2 + 2 - 3 + 4 = 5$ $2 \times 2 - 3 + 4 = 5$
$2 \times (2 + 3) - 4 = 6$	$2 - 2 + 3 + 4 = 7$ $2 \div 2 \times (3 + 4) = 7$	$2 \times 2 \times 3 - 4 = 8$ $2 \div 2 + 3 + 4 = 8$ $(2 + 2) \times 3 - 4 = 8$	$2 \times (2 + 4) - 3 = 9$	$2 \times (2 \times 4 - 3) = 10$ $2 \times (3 - 2 + 4) = 10$ $(2 + 3) \div 2 \times 4 = 10$

2 2 3 5

$2 - (2 + 3) \div 5 = 1$ $2 - 2 \div (5 - 3) = 1$	$2 + 2 + 3 - 5 = 2$ $2 \times (2 + 3) \div 5 = 2$ $2 \times (2 \times 3 - 5) = 2$	$2 + (2 + 3) \div 5 = 3$ $2 + 2 \times 3 - 5 = 3$	$(2 + 2 \times 5) \div 3 = 4$ $2 \div (3 - 5 \div 2) = 4$	$2 \times (2 + 3) - 5 = 5$ $(2 + 2 - 3) \times 5 = 5$ $(2 - 2) \times 3 + 5 = 5$
$2 + 2 - 3 + 5 = 6$ $2 \times 2 - 3 + 5 = 6$	$2 \times 2 \times 3 - 5 = 7$ $(2 + 2) \times 3 - 5 = 7$	$2 - 2 + 3 + 5 = 8$ $2 \div 2 \times (3 + 5) = 8$	$2 \div 2 + 3 + 5 = 9$ $2 + 2 \times 5 - 3 = 9$	$2 \times (3 - 2) \times 5 = 10$

2 2 3 6

$2 - 2 \times 3 \div 6 = 1$ $2 + 2 + 3 - 6 = 1$	$2 \times 2 \times 3 \div 6 = 2$ $2 + 2 \times 3 - 6 = 2$	$2 \times (2 - 3 \div 6) = 3$ $2 + 2 \times 3 \div 6 = 3$	$2 \times (2 + 3) - 6 = 4$ $2 \div 2 + 6 - 3 = 4$	$2 \times (2 + 3 \div 6) = 5$ $(2 - 2 \div 6) \times 3 = 5$
$2 + 2 \div 3 \times 6 = 6$ $2 \times 2 \times 3 - 6 = 6$ $(2 + 2 - 3) \times 6 = 6$	$2 + 2 - 3 + 6 = 7$ $2 \times 2 - 3 + 6 = 7$	$2 \times 2 \div 3 \times 6 = 8$ $(2 - 2 \div 3) \times 6 = 8$	$2 - 2 + 3 + 6 = 9$ $2 \div 2 \times (3 + 6) = 9$	$2 \div 2 + 3 + 6 = 10$ $2 \times (2 + 6 - 3) = 10$

2 2 3 7

$(2 + 2 + 3) \div 7 = 1$ $2 + 2 \times 3 - 7 = 1$	$2 \times (7 - 2 \times 3) = 2$ $3 \div (7 \div 2 - 2) = 2$	$2 \times (2 + 3) - 7 = 3$ $(2 - 2) \times 7 + 3 = 3$	$2 - 2 + 7 - 3 = 4$ $2 \div 2 \times (7 - 3) = 4$	$2 \times 2 \times 3 - 7 = 5$ $(2 + 2) \times 3 - 7 = 5$
$2 \times (2 + 7) \div 3 = 6$ $2 \div 3 \times (2 + 7) = 6$	$(2 + 2 - 3) \times 7 = 7$ $(2 - 2) \times 3 + 7 = 7$ $(2 \times 2 - 3) \times 7 = 7$	$2 + 2 - 3 + 7 = 8$ $2 \times 2 - 3 + 7 = 8$	$2 + (3 - 2) \times 7 = 9$ $2 \times 7 - (2 + 3) = 9$	$2 - 2 + 3 + 7 = 10$ $2 \div 2 \times (3 + 7) = 10$

2 2 3 8

$(2 + 2 \times 3) \div 8 = 1$	$2 \times (2 + 3) - 8 = 2$	$(2 - 2) \times 8 + 3 = 3$ $(2 \div 2 + 8) \div 3 = 3$ $2 + 8 \div 2 - 3 = 3$	$2 \times 2 \times 3 - 8 = 4$ $(2 + 2) \times 3 - 8 = 4$	$2 - 2 + 8 - 3 = 5$ $2 \div 2 \times (8 - 3) = 5$
$(2 + 2 \times 8) \div 3 = 6$ $2 \div 2 + 8 - 3 = 6$	$(2 \times 3 + 8) \div 2 = 7$ $3 - 2 + 8 - 2 = 7$	$(2 + 2 - 3) \times 8 = 8$ $(2 - 2) \times 3 + 8 = 8$ $(2 \times 2 - 3) \times 8 = 8$	$2 + 2 - 3 + 8 = 9$ $2 \times 2 - 3 + 8 = 9$	$2 + (3 - 2) \times 8 = 10$ $2 \times 3 + 8 \div 2 = 10$

2 2 3 9

$2 \times (2 + 3) - 9 = 1$ $2 + 2 - 9 \div 3 = 1$ $2 \times 2 - 9 \div 3 = 1$	$2 \times (9 \div 3 - 2) = 2$ $9 - (2 + 2 + 3) = 2$	$2 \div (2 \times 3 \div 9) = 3$ $2 \times 2 \times 3 - 9 = 3$ $2 \div (2 \times 3) \times 9 = 3$	$2 \div 2 + 9 \div 3 = 4$ $2 \div 3 \times 9 - 2 = 4$ $(2 + 9 - 3) \div 2 = 4$	$2 + 9 - 2 \times 3 = 5$
$2 - 2 + 9 - 3 = 6$ $2 \div 2 \times (9 - 3) = 6$	$2 + 2 + 9 \div 3 = 7$ $2 \times 2 + 9 \div 3 = 7$	$2 + 2 \div 3 \times 9 = 8$ $2 + 2 \times 9 \div 3 = 8$	$(2 + 2 - 3) \times 9 = 9$ $(2 - 2) \times 3 + 9 = 9$ $(2 \times 2 - 3) \times 9 = 9$	$2 + 2 - 3 + 9 = 10$ $2 \times 2 - 3 + 9 = 10$

2 2 4 4

$2 \div (2 + 4 - 4) = 1$ $2 \div (2 \times 4 \div 4) = 1$	$2 + 2 \times (4 - 4) = 2$ $2 \times (2 - 4 \div 4) = 2$ $(2 + 2 + 4) \div 4 = 2$	$2 + 2 - 4 \div 4 = 3$ $2 \times (2 + 4) \div 4 = 3$	$2 + 2 + 4 - 4 = 4$ $2 \times (2 + 4 - 4) = 4$ $2 + 2 \times 4 \div 4 = 4$	$2 + 2 + 4 \div 4 = 5$ $2 \times 2 \div 4 + 4 = 5$
$2 \times (2 + 4 \div 4) = 6$ $2 + 2 \times 4 - 4 = 6$	$2 \times (4 - 2 \div 4) = 7$ $(2 + 4) \div 2 + 4 = 7$ $4 - 2 \div 2 + 4 = 7$	$2 \times (2 \times 4 - 4) = 8$ $2 \times (2 + 4) - 4 = 8$ $2 - 2 + 4 + 4 = 8$	$2 \times (2 \div 4 + 4) = 9$ $2 \div 2 + 4 + 4 = 9$	$(2 + 2 \div 4) \times 4 = 10$ $2 + (4 - 2) \times 4 = 10$ $2 + 4 \div 2 \times 4 = 10$

2 2 4 5

$(2 \div 2 + 4) \div 5 = 1$ $2 \div (2 \times (5 - 4)) = 1$ $2 - 2 + 5 - 4 = 1$	$2 \times (2 + 4 - 5) = 2$ $(2 + 2 \times 4) \div 5 = 2$ $2 \div 2 + 5 - 4 = 2$	$2 + 2 + 4 - 5 = 3$	$2 + 2 \times (5 - 4) = 4$ $2 \times 2 \times (5 - 4) = 4$ $(2 + 2) \times (5 - 4) = 4$	$2 + 2 \times 4 - 5 = 5$ $2 \times 2 \div 4 \times 5 = 5$
$2 \times (2 \times 4 - 5) = 6$ $2 \times 2 \div 4 + 5 = 6$ $(2 + 2) \div 4 + 5 = 6$	$2 \times (2 + 4) - 5 = 7$	$2 + 2 \times 5 - 4 = 8$ $(2 + 4) \div 2 + 5 = 8$	$2 - 2 + 4 + 5 = 9$ $2 \div 2 \times (4 + 5) = 9$	$2 \div 2 + 4 + 5 = 10$ $2 \times (2 + 5) - 4 = 10$

2 2 4 6

$$\begin{aligned} 2 - (2 + 4) \div 6 &= 1 \\ 2 \div (2 \times 4 - 6) &= 1 \\ 2 - 2 \div (6 - 4) &= 1 \end{aligned}$$

$$\begin{aligned} 2 + 2 + 4 - 6 &= 2 \\ 2 \times (2 + 4) \div 6 &= 2 \end{aligned}$$

$$\begin{aligned} 2 + (2 + 4) \div 6 &= 3 \\ 2 + 2 \div (6 - 4) &= 3 \\ 2 \div 2 + 6 - 4 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 2 \times 4 - 6 &= 4 \\ 2 \times (2 \times 4 - 6) &= 4 \end{aligned}$$

$$\begin{aligned} 2 + 2 \div 4 \times 6 &= 5 \\ 2 + 2 \times 6 \div 4 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \div 4 \times 6 &= 6 \\ 2 \times (2 + 4) - 6 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \div 4 + 6 &= 7 \\ (2 + 2) \div 4 + 6 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (2 + 6 - 4) &= 8 \\ 2 \times 2 \times (6 - 4) &= 8 \end{aligned}$$

$$\begin{aligned} (2 - 2 \div 4) \times 6 &= 9 \\ (2 + 4) \div 2 + 6 &= 9 \\ 2 + 4 + 6 \div 2 &= 9 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \times 4 - 6 &= 10 \\ 2 - 2 + 4 + 6 &= 10 \\ 2 \div 2 \times (4 + 6) &= 10 \end{aligned}$$

2 2 4 7

$$\begin{aligned} 2 + 2 + 4 - 7 &= 1 \\ 2 \times 2 + 4 - 7 &= 1 \end{aligned}$$

$$\begin{aligned} 2 \times (2 \times 4 - 7) &= 2 \\ (2 \div 2 + 7) \div 4 &= 2 \end{aligned}$$

$$\begin{aligned} 2 + 2 \times 4 - 7 &= 3 \\ 2 - 2 + 7 - 4 &= 3 \end{aligned}$$

$$\begin{aligned} (2 + 2 \times 7) \div 4 &= 4 \\ 2 \div 2 + 7 - 4 &= 4 \\ (2 - 2) \times 7 + 4 &= 4 \end{aligned}$$

$$2 \times (2 + 4) - 7 = 5$$

$$\begin{aligned} 2 \times (7 - 2) - 4 &= 6 \\ 2 \times 7 - 2 \times 4 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \div 4 \times 7 &= 7 \\ 2 + 2 - 4 + 7 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \div 4 + 7 &= 8 \\ (2 + 2) \div 4 + 7 &= 8 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \times 4 - 7 &= 9 \\ (2 + 2) \times 4 - 7 &= 9 \end{aligned}$$

$$\begin{aligned} 2 \times (2 + 7 - 4) &= 10 \\ (2 + 4) \div 2 + 7 &= 10 \end{aligned}$$

2 2 4 8

$$\begin{aligned} 2 - 2 \times 4 \div 8 &= 1 \\ (2 + 2 + 4) \div 8 &= 1 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \times 4 \div 8 &= 2 \\ 2 + 2 \times 4 - 8 &= 2 \end{aligned}$$

$$\begin{aligned} 2 \times (2 - 4 \div 8) &= 3 \\ 2 + 2 \times 4 \div 8 &= 3 \end{aligned}$$

$$\begin{aligned} 2 \times (2 + 4) - 8 &= 4 \\ 2 - 2 + 8 - 4 &= 4 \\ 2 \div 2 \times (8 - 4) &= 4 \end{aligned}$$

$$\begin{aligned} 2 \times (2 + 4 \div 8) &= 5 \\ 2 \times (2 + 8) \div 4 &= 5 \end{aligned}$$

$$\begin{aligned} 2 + 2 \div 4 \times 8 &= 6 \\ 2 + 2 + 8 \div 4 &= 6 \end{aligned}$$

$$\begin{aligned} (2 - 2 \div 8) \times 4 &= 7 \\ (2 + 4 + 8) \div 2 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \div 4 \times 8 &= 8 \\ 2 \times 2 \times 4 - 8 &= 8 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \div 4 + 8 &= 9 \\ (2 + 2) \div 4 + 8 &= 9 \end{aligned}$$

$$\begin{aligned} 2 + 2 \times (8 - 4) &= 10 \\ 2 + 4 + 8 \div 2 &= 10 \end{aligned}$$

2 2 4 9

$$2 + 2 \times 4 - 9 = 1$$

$$\begin{aligned} 2 \times (9 - 2 \times 4) &= 2 \\ (9 - 2 \div 2) \div 4 &= 2 \end{aligned}$$

$$\begin{aligned} 2 \times (2 + 4) - 9 &= 3 \\ 2 \div (2 + 4) \times 9 &= 3 \end{aligned}$$

$$\begin{aligned} (2 - 2) \times 9 + 4 &= 4 \\ 2 \div (9 \div 2 - 4) &= 4 \\ (2 \times 9 - 2) \div 4 &= 4 \end{aligned}$$

$$\begin{aligned} (2 + 2 \times 9) \div 4 &= 5 \\ 2 - 2 + 9 - 4 &= 5 \\ 2 \div 2 \times (9 - 4) &= 5 \end{aligned}$$

$$\begin{aligned} 2 \div 2 + 9 - 4 &= 6 \\ 2 \times (9 - (2 + 4)) &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \times 4 - 9 &= 7 \\ (2 + 2) \times 4 - 9 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \div (9 \div 4 - 2) &= 8 \\ 2 \times (9 - 4) - 2 &= 8 \\ 9 - 2 \times 2 \div 4 &= 8 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \div 4 \times 9 &= 9 \\ 2 + 2 - 4 + 9 &= 9 \end{aligned}$$

$$\begin{aligned} 2 \times 2 \div 4 + 9 &= 10 \\ (2 + 2) \div 4 + 9 &= 10 \end{aligned}$$

2 2 5 5

$$\begin{aligned} 2 \div (2 + 5 - 5) &= 1 \\ 2 \div (2 \times 5 \div 5) &= 1 \end{aligned}$$

$$\begin{aligned} 2 + 2 \times (5 - 5) &= 2 \\ 2 \times (2 - 5 \div 5) &= 2 \\ 2 \div 2 + 5 \div 5 &= 2 \end{aligned}$$

$$\begin{aligned} 2 + 2 - 5 \div 5 &= 3 \\ 2 \times 2 - 5 \div 5 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 2 + 5 - 5 &= 4 \\ 2 \times (2 + 5 - 5) &= 4 \\ 2 + 2 \times 5 \div 5 &= 4 \end{aligned}$$

$$\begin{aligned} 2 + 2 + 5 \div 5 &= 5 \\ 2 \times 2 + 5 \div 5 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (2 + 5 \div 5) &= 6 \\ (2 + 5 + 5) \div 2 &= 6 \end{aligned}$$

$$2 + 2 \times 5 - 5 = 7$$

$$(2 - 2 \div 5) \times 5 = 8$$

$$2 \times (2 + 5) - 5 = 9$$

$$\begin{aligned} 2 \times (2 \times 5 - 5) &= 10 \\ 2 - 2 + 5 + 5 &= 10 \\ 2 \div 2 \times (5 + 5) &= 10 \end{aligned}$$

2 2 5 6

$$\begin{aligned} (2 \div 2 + 5) \div 6 &= 1 \\ 2 \div (2 \times (6 - 5)) &= 1 \\ 2 - 2 + 6 - 5 &= 1 \end{aligned}$$

$$\begin{aligned} 2 \times (2 + 5 - 6) &= 2 \\ (2 + 2 \times 5) \div 6 &= 2 \\ (2 + 2 + 6) \div 5 &= 2 \end{aligned}$$

$$2 + 2 + 5 - 6 = 3$$

$$\begin{aligned} 2 + 2 \times (6 - 5) &= 4 \\ 2 \times 2 \times (6 - 5) &= 4 \\ (2 + 2) \times (6 - 5) &= 4 \end{aligned}$$

$$2 + 2 + 6 - 5 = 5$$

$$\begin{aligned} 2 + 2 \times 5 - 6 &= 6 \\ (2 - 2) \times 5 + 6 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 5 - 6 \div 2 &= 7 \\ 2 \times (6 - 5 \div 2) &= 7 \\ 5 - (2 + 2) + 6 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (2 \times 5 - 6) &= 8 \\ 2 \times (2 + 5) - 6 &= 8 \end{aligned}$$

$$2 + 2 \times 6 - 5 = 9$$

$$2 + 5 + 6 \div 2 = 10$$

2 2 5 8

$$\begin{aligned} 2 \div (2 \times 5 - 8) &= 1 \\ 2 + 2 + 5 - 8 &= 1 \end{aligned}$$

$$\begin{aligned} 2 \times (5 - 8 \div 2) &= 2 \\ 2 \times (8 - (2 + 5)) &= 2 \\ 2 \times (8 - 2 - 5) &= 2 \end{aligned}$$

$$\begin{aligned} 2 - 2 + 8 - 5 &= 3 \\ 2 \div 2 \times (8 - 5) &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 2 \times 5 - 8 &= 4 \\ 2 \times (2 \times 5 - 8) &= 4 \end{aligned}$$

$$\begin{aligned} 2 \div (2 - 8 \div 5) &= 5 \\ (2 - 2) \times 8 + 5 &= 5 \end{aligned}$$

$$2 \times (2 + 5) - 8 = 6$$

$$2 + 2 + 8 - 5 = 7$$

$$(2 - 2) \times 5 + 8 = 8$$

$$\begin{aligned} (2 \times 5 + 8) \div 2 &= 9 \\ 2 \times 8 - (2 + 5) &= 9 \\ 2 \times 8 - 2 - 5 &= 9 \end{aligned}$$

$$2 \times (2 + 8 - 5) = 10$$

2 2 5 9

$$\begin{aligned} (2 + 2 + 5) \div 9 &= 1 \\ (2 \times 2 + 5) \div 9 &= 1 \end{aligned}$$

$$\begin{aligned} 2 \times (2 \times 5 - 9) &= 2 \\ (2 \div 2 + 9) \div 5 &= 2 \end{aligned}$$

$$2 + 2 \times 5 - 9 = 3$$

$$\begin{aligned} (2 + 2 \times 9) \div 5 &= 4 \\ 2 - 2 + 9 - 5 &= 4 \\ 2 \div 2 \times (9 - 5) &= 4 \end{aligned}$$

$$\begin{aligned} 2 \times (2 + 5) - 9 &= 5 \\ 2 \div 2 + 9 - 5 &= 5 \\ (2 - 2) \times 9 + 5 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \div (5 - 2) \times 9 &= 6 \\ 2 \times (9 - 5) - 2 &= 6 \end{aligned}$$

$$5 \div 2 + 9 \div 2 = 7$$

$$2 + 2 + 9 - 5 = 8$$

$$\begin{aligned} (2 - 2) \times 5 + 9 &= 9 \\ 2 + (5 + 9) \div 2 &= 9 \\ 2 \times (9 - 2) - 5 &= 9 \end{aligned}$$

$$\begin{aligned} 2 + 2 \times (9 - 5) &= 10 \\ 2 \div (2 - 9 \div 5) &= 10 \end{aligned}$$

2 2 6 6

$2 \div (2 + 6 - 6) = 1$ $2 \div (2 \times 6 \div 6) = 1$	$2 + 2 \times (6 - 6) = 2$ $2 \times (2 - 6 \div 6) = 2$ $2 \div 2 + 6 \div 6 = 2$	$2 + 2 - 6 \div 6 = 3$ $2 \times 2 - 6 \div 6 = 3$	$2 + 2 + 6 - 6 = 4$ $2 \times (2 + 6 - 6) = 4$ $2 + 2 \times 6 \div 6 = 4$	$2 + 2 + 6 \div 6 = 5$ $2 \times 2 + 6 \div 6 = 5$
$2 \times (2 + 6 \div 6) = 6$ $(2 - 2) \times 6 + 6 = 6$	$(2 + 6 + 6) \div 2 = 7$ $6 \div 2 - 2 + 6 = 7$	$2 + 2 \times 6 - 6 = 8$	$2 \times 6 - 6 \div 2 = 9$ $(2 \times 6 + 6) \div 2 = 9$ $6 \div (2 \times 2 \div 6) = 9$	$2 \times (2 + 6) - 6 = 10$ $(2 - 2 \div 6) \times 6 = 10$

2 2 6 7

$(2 \div 2 + 6) \div 7 = 1$ $2 \div (2 \times (7 - 6)) = 1$ $2 - 2 + 7 - 6 = 1$	$2 \times (2 + 6 - 7) = 2$ $(2 + 2 \times 6) \div 7 = 2$ $2 \div 2 + 7 - 6 = 2$	$2 + 2 + 6 - 7 = 3$	$2 + 2 \times (7 - 6) = 4$ $2 \times 2 \times (7 - 6) = 4$ $(2 + 2) \times (7 - 6) = 4$	$2 + 2 + 7 - 6 = 5$
$2 \times (2 + 7 - 6) = 6$ $(2 - 2) \times 7 + 6 = 6$	$2 + 2 \times 6 - 7 = 7$ $(2 - 2) \times 6 + 7 = 7$	$2 \times (7 - 6 \div 2) = 8$ $6 \div 2 - 2 + 7 = 8$	$2 \times (2 + 6) - 7 = 9$	$2 \times (2 \times 6 - 7) = 10$ $2 + 2 \times 7 - 6 = 10$

2 2 6 8

$2 - (2 + 6) \div 8 = 1$ $2 - 2 \div (8 - 6) = 1$	$2 + 2 + 6 - 8 = 2$ $2 \times (2 + 6) \div 8 = 2$	$2 \times 2 \times 6 \div 8 = 3$ $2 + (2 + 6) \div 8 = 3$	$2 \div (6 - 2) \times 8 = 4$ $2 + 6 - 8 \div 2 = 4$ $2 \times (6 - 8 \div 2) = 4$	$(2 \times 8 - 6) \div 2 = 5$ $(6 + 8 \div 2) \div 2 = 5$ $(6 + 8) \div 2 - 2 = 5$
$2 + 2 \times 6 - 8 = 6$ $2 + 2 + 8 - 6 = 6$	$2 + 8 - 6 \div 2 = 7$ $6 \div 2 + 8 \div 2 = 7$	$2 \times (2 \times 6 - 8) = 8$ $2 \times (2 + 6) - 8 = 8$ $(2 - 2) \times 6 + 8 = 8$	$2 + (6 + 8) \div 2 = 9$ $6 \div 2 - 2 + 8 = 9$	$(2 \times 6 + 8) \div 2 = 10$ $2 \times (8 - 6 \div 2) = 10$ $6 - (2 + 2) + 8 = 10$

2 2 6 9

$2 + 2 + 6 - 9 = 1$ $2 \times 2 + 6 - 9 = 1$	$2 \times (9 - (2 + 6)) = 2$ $2 \times (9 - 2 - 6) = 2$	$2 - 2 + 9 - 6 = 3$ $2 \div 2 \times (9 - 6) = 3$	$2 \div (2 - 9 \div 6) = 4$ $2 \div 2 + 9 - 6 = 4$	$2 + 2 \times 6 - 9 = 5$ $2 + 2 \div 6 \times 9 = 5$
$2 \times (2 \times 6 - 9) = 6$ $2 \times 2 \div 6 \times 9 = 6$	$2 \times (2 + 6) - 9 = 7$ $2 + 2 + 9 - 6 = 7$ $2 \times (2 + 9 \div 6) = 7$	$2 + 2 \times (9 - 6) = 8$ $2 \times (9 - 2) - 6 = 8$ $2 + 9 - 6 \div 2 = 8$	$(2 - 2) \times 6 + 9 = 9$ $(6 \div 2 - 2) \times 9 = 9$	$2 \times (2 + 9 - 6) = 10$

2 2 7 7

$2 \div (2 + 7 - 7) = 1$ $2 \div (2 \times 7 \div 7) = 1$	$2 + 2 \times (7 - 7) = 2$ $2 \times (2 - 7 \div 7) = 2$ $2 \div 2 + 7 \div 7 = 2$	$2 + 2 - 7 \div 7 = 3$ $2 \times 2 - 7 \div 7 = 3$	$2 + 2 + 7 - 7 = 4$ $2 \times (2 + 7 - 7) = 4$ $2 + 2 \times 7 \div 7 = 4$	$2 + 2 + 7 \div 7 = 5$ $2 \times 2 + 7 \div 7 = 5$
$2 \times (2 + 7 \div 7) = 6$	$(2 - 2) \times 7 + 7 = 7$ $2 \times (7 - 7 \div 2) = 7$	$(2 + 7 + 7) \div 2 = 8$	$2 + 2 \times 7 - 7 = 9$	$7 - (2 + 2) + 7 = 10$ $7 - 2 \times 2 + 7 = 10$ $7 - 2 - 2 + 7 = 10$

2 2 7 8

$(2 \div 2 + 7) \div 8 = 1$ $2 \div (2 \times (8 - 7)) = 1$ $2 - 2 + 8 - 7 = 1$	$2 \times (2 + 7 - 8) = 2$ $(2 + 2 \times 7) \div 8 = 2$ $2 \div 2 + 8 - 7 = 2$	$2 + 2 + 7 - 8 = 3$	$2 + 2 \times (8 - 7) = 4$ $2 \times 2 \times (8 - 7) = 4$ $(2 + 2) \times (8 - 7) = 4$	$2 + 2 + 8 - 7 = 5$
$2 \times (2 + 8 - 7) = 6$ $2 \times (7 - 8 \div 2) = 6$	$(2 - 2) \times 8 + 7 = 7$ $2 \times 8 - (2 + 7) = 7$ $2 \times 8 - 2 - 7 = 7$	$2 + 2 \times 7 - 8 = 8$ $(2 - 2) \times 7 + 8 = 8$	$2 \times (8 - 7 \div 2) = 9$ $7 - 2 + 8 \div 2 = 9$ $7 + 8 \div (2 + 2) = 9$	$2 \times (2 + 7) - 8 = 10$

2 2 7 9

$2 - (2 + 7) \div 9 = 1$ $2 - 2 \div (9 - 7) = 1$	$2 + 2 + 7 - 9 = 2$ $2 \times (2 + 7) \div 9 = 2$	$2 + (2 + 7) \div 9 = 3$ $2 + 2 \div (9 - 7) = 3$ $2 \div 2 + 9 - 7 = 3$	$2 \times 9 - 2 \times 7 = 4$ $(7 + 9) \div (2 + 2) = 4$	$2 \times (7 - 9 \div 2) = 5$
$2 + 2 + 9 - 7 = 6$ $2 + 2 \times (9 - 7) = 6$	$2 + 2 \times 7 - 9 = 7$ $(2 - 2) \times 9 + 7 = 7$	$2 \times (2 + 9 - 7) = 8$ $2 \times 2 \times (9 - 7) = 8$	$2 \times (2 + 7) - 9 = 9$ $(2 - 2) \times 7 + 9 = 9$	$2 \times (2 \times 7 - 9) = 10$ $2 + (7 + 9) \div 2 = 10$

2 2 8 8

$2 \div (2 + 8 - 8) = 1$ $2 \div (2 \times 8 \div 8) = 1$	$2 + 2 \times (8 - 8) = 2$ $2 \times (2 - 8 \div 8) = 2$ $2 \div 2 + 8 \div 8 = 2$	$2 + 2 - 8 \div 8 = 3$ $2 \times 2 - 8 \div 8 = 3$	$2 + 2 + 8 - 8 = 4$ $2 \times (2 + 8 - 8) = 4$ $2 + 2 \times 8 \div 8 = 4$	$2 + 2 + 8 \div 8 = 5$ $2 \times 2 + 8 \div 8 = 5$
$2 \times (2 + 8 \div 8) = 6$ $2 \times 8 - (2 + 8) = 6$ $2 \times 8 - 2 - 8 = 6$	$(8 - 2 + 8) \div 2 = 7$	$(2 - 2) \times 8 + 8 = 8$ $2 \times (8 - 8 \div 2) = 8$	$(2 + 8 + 8) \div 2 = 9$	$2 + 2 \times 8 - 8 = 10$

2 2 8 9

$(2 \div 2 + 8) \div 9 = 1$ $2 \div (2 \times (9 - 8)) = 1$ $2 - 2 + 9 - 8 = 1$	$2 \times (2 + 8 - 9) = 2$ $(2 + 2 \times 8) \div 9 = 2$ $2 \div 2 + 9 - 8 = 2$	$2 + 2 + 8 - 9 = 3$	$2 + 2 \times (9 - 8) = 4$ $2 \times 2 \times (9 - 8) = 4$ $(2 + 2) \times (9 - 8) = 4$	$2 + 2 + 9 - 8 = 5$
$2 \times (2 + 9 - 8) = 6$	$2 \times (8 - 9 \div 2) = 7$ $2 + 9 - 8 \div 2 = 7$	$(2 - 2) \times 9 + 8 = 8$ $2 \times 9 - (2 + 8) = 8$ $2 \times 9 - 2 - 8 = 8$	$2 + 2 \times 8 - 9 = 9$ $(2 - 2) \times 8 + 9 = 9$	$2 \times (9 - 8 \div 2) = 10$

2 2 9 9

$2 \div (2 + 9 - 9) = 1$ $2 \div (2 \times 9 \div 9) = 1$	$2 + 2 \times (9 - 9) = 2$ $2 \times (2 - 9 \div 9) = 2$ $2 \div 2 + 9 \div 9 = 2$	$2 + 2 - 9 \div 9 = 3$ $2 \times 2 - 9 \div 9 = 3$	$2 + 2 + 9 - 9 = 4$ $2 \times (2 + 9 - 9) = 4$ $2 + 2 \times 9 \div 9 = 4$	$2 + 2 + 9 \div 9 = 5$ $2 \times 2 + 9 \div 9 = 5$
$2 \times (2 + 9 \div 9) = 6$	$2 \times 9 - (2 + 9) = 7$ $2 \times 9 - 2 - 9 = 7$	$(9 - 2 + 9) \div 2 = 8$	$(2 - 2) \times 9 + 9 = 9$ $2 \times (9 - 9 \div 2) = 9$	$(2 + 9 + 9) \div 2 = 10$

2 3 3 3

$2 \times 3 \div (3 + 3) = 1$ $2 \div (3 - 3 \div 3) = 1$	$2 + 3 \times (3 - 3) = 2$ $3 - 2 + 3 \div 3 = 2$	$2 \times (3 - 3) + 3 = 3$ $(2 - 3 \div 3) \times 3 = 3$ $(2 \times 3 + 3) \div 3 = 3$	$2 + 3 - 3 \div 3 = 4$ $2 \times (3 - 3 \div 3) = 4$ $2 + (3 + 3) \div 3 = 4$	$2 + 3 + 3 - 3 = 5$ $2 + 3 \times 3 \div 3 = 5$
$2 \times (3 + 3 - 3) = 6$ $2 + 3 + 3 \div 3 = 6$ $2 \times 3 \times 3 \div 3 = 6$	$2 \times 3 + 3 \div 3 = 7$ $(3 - 2 \div 3) \times 3 = 7$ $3 - 2 + 3 + 3 = 7$	$2 \times (3 + 3 \div 3) = 8$ $2 + 3 \times 3 - 3 = 8$	$2 \times (3 + 3) - 3 = 9$ $(2 + 3 \div 3) \times 3 = 9$ $(2 \times 3 - 3) \times 3 = 9$	$3 - 2 + 3 \times 3 = 10$ $3 \times 3 - 2 + 3 = 10$

2 3 3 4

$2 \div (3 + 3 - 4) = 1$ $(2 + 4 - 3) \div 3 = 1$ $(2 + 4) \div (3 + 3) = 1$	$2 + (3 - 3) \times 4 = 2$ $(2 + 3 + 3) \div 4 = 2$	$2 \times (3 + 3) \div 4 = 3$ $(2 + 3 + 4) \div 3 = 3$	$2 + 3 + 3 - 4 = 4$ $2 \times (3 + 3 - 4) = 4$	$2 - 3 \div 3 + 4 = 5$ $2 \times 3 + 3 - 4 = 5$ $2 + 3 \times (4 - 3) = 5$
$2 + 3 - 3 + 4 = 6$ $2 + 3 \div 3 \times 4 = 6$	$2 + 3 \times 3 - 4 = 7$ $2 + 3 \div 3 + 4 = 7$	$2 \times (3 - 3 + 4) = 8$ $2 \times 3 \div 3 \times 4 = 8$	$(2 + 4 - 3) \times 3 = 9$ $2 \times 4 + 3 \div 3 = 9$	$2 \times (3 \times 3 - 4) = 10$ $2 \times (3 \div 3 + 4) = 10$

2 3 3 5

$2 + 5 - 3 - 3 = 1$ $2 \times (5 - 3) - 3 = 1$ $(2 - 5 \div 3) \times 3 = 1$	$2 \times (3 + 3 - 5) = 2$ $2 + (3 - 3) \times 5 = 2$	$2 + 3 + 3 - 5 = 3$ $(2 + 3) \times 3 \div 5 = 3$	$2 \times 3 + 3 - 5 = 4$ $(2 + 3) \div 5 + 3 = 4$	$2 \times (3 - 3) + 5 = 5$ $(2 - 3 \div 3) \times 5 = 5$
$2 + 3 \times 3 - 5 = 6$ $2 - 3 \div 3 + 5 = 6$	$2 + 3 - 3 + 5 = 7$ $2 + 3 \div 3 \times 5 = 7$ $2 \times (3 + 3) - 5 = 7$	$2 \times (3 \times 3 - 5) = 8$ $2 + 3 \div 3 + 5 = 8$	$2 \times 5 - 3 \div 3 = 9$ $3 - 2 + 3 + 5 = 9$	$2 \times (3 - 3 + 5) = 10$ $2 \times 3 \div 3 \times 5 = 10$

2 3 3 6

$2 - (3 + 3) \div 6 = 1$ $2 - 3 \div (6 - 3) = 1$ $2 \div 3 \times 6 - 3 = 1$	$2 + 3 + 3 - 6 = 2$ $2 \times (3 + 3) \div 6 = 2$ $2 + (3 - 3) \times 6 = 2$	$2 \times 3 \times 3 \div 6 = 3$ $2 + (3 + 3) \div 6 = 3$	$2 \times 3 \div 6 + 3 = 4$ $2 \times 3 - 6 \div 3 = 4$ $(2 \times 3 + 6) \div 3 = 4$	$2 \times (3 - 3 \div 6) = 5$ $2 + 3 \times 3 - 6 = 5$
$2 \times (3 \times 3 - 6) = 6$ $2 \times (3 + 3) - 6 = 6$	$2 \times (3 + 3 \div 6) = 7$ $2 - 3 \div 3 + 6 = 7$ $2 + 3 + 6 \div 3 = 7$	$2 + 3 - 3 + 6 = 8$ $2 + 3 \div 3 \times 6 = 8$	$2 + 3 \div 3 + 6 = 9$ $(2 + 3) \times 3 - 6 = 9$	$(2 + 3) \div 3 \times 6 = 10$ $2 \times (3 + 6 \div 3) = 10$

2 3 3 7

$2 \div (3 \times 3 - 7) = 1$ $2 + 3 + 3 - 7 = 1$	$2 + (3 - 3) \times 7 = 2$ $2 \times 3 + 3 - 7 = 2$ $2 \times (7 - (3 + 3)) = 2$	$2 \div (3 - 7 \div 3) = 3$ $2 \div 3 + 7 \div 3 = 3$ $2 + 7 - (3 + 3) = 3$	$2 + 3 \times 3 - 7 = 4$ $2 \times (3 \times 3 - 7) = 4$	$2 \times (3 + 3) - 7 = 5$ $2 \times 7 - 3 \times 3 = 5$
$(2 + 7) \div 3 + 3 = 6$ $3 \div 2 \times (7 - 3) = 6$	$2 \times (3 - 3) + 7 = 7$ $(2 - 3 \div 3) \times 7 = 7$	$2 - 3 \div 3 + 7 = 8$ $(2 + 3) \times 3 - 7 = 8$	$2 + 3 - 3 + 7 = 9$ $2 + 3 \div 3 \times 7 = 9$	$2 + 3 \div 3 + 7 = 10$ $2 \times 3 - 3 + 7 = 10$

2 3 3 8

$(2 + 3 + 3) \div 8 = 1$ $2 \times 3 + 3 - 8 = 1$	$2 + (3 - 3) \times 8 = 2$ $2 \times (3 \times 3 - 8) = 2$	$2 + 3 \times 3 - 8 = 3$ $(3 - 2 + 8) \div 3 = 3$	$2 \times (3 + 3) - 8 = 4$ $2 + 8 - (3 + 3) = 4$ $2 \times (8 - (3 + 3)) = 4$	$(3 - 2) \times (8 - 3) = 5$ $(3 - 2) \times 8 - 3 = 5$ $3 \times 3 - 8 \div 2 = 5$
$2 \div (3 - 8 \div 3) = 6$ $3 - 2 + 8 - 3 = 6$	$(2 + 3) \times 3 - 8 = 7$ $2 \times (8 - 3) - 3 = 7$ $2 \times 8 - 3 \times 3 = 7$	$2 \times (3 - 3) + 8 = 8$ $(2 - 3 \div 3) \times 8 = 8$	$2 - 3 \div 3 + 8 = 9$ $2 + 8 - 3 \div 3 = 9$	$2 + 3 - 3 + 8 = 10$ $2 + 3 \div 3 \times 8 = 10$

2 3 3 9

$$\begin{aligned} 2 - 3 \times 3 \div 9 &= 1 \\ 2 \div 3 + 3 \div 9 &= 1 \end{aligned}$$

$$\begin{aligned} 2 \times 3 \times 3 \div 9 &= 2 \\ 2 + (3 - 3) \times 9 &= 2 \\ 2 + 3 \times 3 - 9 &= 2 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times 3 \div 9 &= 3 \\ 2 \times (3 + 3) - 9 &= 3 \end{aligned}$$

$$\begin{aligned} 2 \div 3 \times (9 - 3) &= 4 \\ 2 + (9 - 3) \div 3 &= 4 \\ 2 \times (9 - 3) \div 3 &= 4 \end{aligned}$$

$$\begin{aligned} (2 - 3 \div 9) \times 3 &= 5 \\ (2 \times 3 + 9) \div 3 &= 5 \\ 2 + 9 - (3 + 3) &= 5 \end{aligned}$$

$$\begin{aligned} (2 + 3) \times 3 - 9 &= 6 \\ 2 + (3 + 9) \div 3 &= 6 \\ 2 \times (9 - (3 + 3)) &= 6 \end{aligned}$$

$$\begin{aligned} (2 + 3 \div 9) \times 3 &= 7 \\ (2 \times 9 + 3) \div 3 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \div 3 \times (3 + 9) &= 8 \\ 2 + 3 + 9 \div 3 &= 8 \\ 2 \times (3 + 9) \div 3 &= 8 \end{aligned}$$

$$\begin{aligned} 2 \times (3 - 3) + 9 &= 9 \\ 2 \times 3 \times 3 - 9 &= 9 \\ (2 - 3 \div 3) \times 9 &= 9 \end{aligned}$$

$$\begin{aligned} 2 - 3 \div 3 + 9 &= 10 \\ 2 + 9 - 3 \div 3 &= 10 \end{aligned}$$

2 3 4 4

$$\begin{aligned} 2 \div (3 - 4 \div 4) &= 1 \\ 2 \times 4 - (3 + 4) &= 1 \\ 2 \times 4 - 3 - 4 &= 1 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times (4 - 4) &= 2 \\ 3 \div (2 + 4) \times 4 &= 2 \end{aligned}$$

$$\begin{aligned} 2 \times (4 - 4) + 3 &= 3 \\ (2 - 4 \div 4) \times 3 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 3 - 4 \div 4 &= 4 \\ 2 \times (3 - 4 \div 4) &= 4 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 4 - 4 &= 5 \\ 2 + 3 \times 4 \div 4 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 4 - 4) &= 6 \\ 2 + 3 + 4 \div 4 &= 6 \\ 2 \times 3 \times 4 \div 4 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 3 + 4 \div 4 &= 7 \\ 2 + 4 - 3 + 4 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 4 \div 4) &= 8 \\ (2 \times 3 - 4) \times 4 &= 8 \\ 2 \times (4 - 3) \times 4 &= 8 \end{aligned}$$

$$\begin{aligned} 2 \times 4 - 3 + 4 &= 9 \\ (2 + 4 \div 4) \times 3 &= 9 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times 4 - 4 &= 10 \\ 2 \times (3 + 4) - 4 &= 10 \end{aligned}$$

2 3 4 5

$$\begin{aligned} 2 \div (3 + 4 - 5) &= 1 \\ 2 \div (3 + 5) \times 4 &= 1 \end{aligned}$$

$$(2 \times 3 + 4) \div 5 = 2$$

$$\begin{aligned} (2 + 4) \div (5 - 3) &= 3 \\ (2 + 4 - 5) \times 3 &= 3 \\ 2 \times 5 - (3 + 4) &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 4 - 5 &= 4 \\ 2 \times (3 + 4 - 5) &= 4 \end{aligned}$$

$$\begin{aligned} (2 + 3 - 4) \times 5 &= 5 \\ 2 \times 3 + 4 - 5 &= 5 \\ 2 + 3 \times (5 - 4) &= 5 \end{aligned}$$

$$\begin{aligned} 2 \div 3 \times (4 + 5) &= 6 \\ 2 + 3 - 4 + 5 &= 6 \end{aligned}$$

$$2 \times 3 - 4 + 5 = 7$$

$$\begin{aligned} 2 \times (3 + 5 - 4) &= 8 \\ 2 + 4 - 3 + 5 &= 8 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times 4 - 5 &= 9 \\ 2 \times (3 + 4) - 5 &= 9 \end{aligned}$$

$$\begin{aligned} (2 \times 3 - 4) \times 5 &= 10 \\ 2 \times (4 - 3) \times 5 &= 10 \end{aligned}$$

2 3 4 6

$$\begin{aligned} 2 \div (3 \times 4 \div 6) &= 1 \\ 2 \div (3 \times 4) \times 6 &= 1 \\ 2 \div 3 \div 4 \times 6 &= 1 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 4 - 6) &= 2 \\ (2 + 4) \div (6 - 3) &= 2 \end{aligned}$$

$$2 + 3 + 4 - 6 = 3$$

$$\begin{aligned} 2 + 3 \times 4 \div 6 &= 4 \\ 2 \times 3 \times 4 \div 6 &= 4 \end{aligned}$$

$$\begin{aligned} (2 + 3 \times 6) \div 4 &= 5 \\ 2 \times 3 \div 6 + 4 &= 5 \end{aligned}$$

$$\begin{aligned} (2 + 3 - 4) \times 6 &= 6 \\ (2 - 3 \div 6) \times 4 &= 6 \\ 2 \times 4 - 6 \div 3 &= 6 \end{aligned}$$

$$2 + 3 - 4 + 6 = 7$$

$$\begin{aligned} 2 + 3 \times 4 - 6 &= 8 \\ 2 \times (3 + 4) - 6 &= 8 \end{aligned}$$

$$2 \times 3 \div 4 \times 6 = 9$$

$$\begin{aligned} 2 \times (3 + 6 - 4) &= 10 \\ (2 + 3 \div 6) \times 4 &= 10 \end{aligned}$$

2 3 4 7

$$\begin{aligned} 2 - (3 + 4) \div 7 &= 1 \\ 2 - 3 \div (7 - 4) &= 1 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 4 - 7 &= 2 \\ 2 \times (3 + 4) \div 7 &= 2 \end{aligned}$$

$$\begin{aligned} 2 + (3 + 4) \div 7 &= 3 \\ 2 \times 3 + 4 - 7 &= 3 \\ 2 + 3 \div (7 - 4) &= 3 \end{aligned}$$

$$\begin{aligned} 2 \times 4 + 3 - 7 &= 4 \\ 2 \times (7 - 3) - 4 &= 4 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 7) \div 4 &= 5 \\ 2 \div 4 \times (3 + 7) &= 5 \end{aligned}$$

$$\begin{aligned} (2 \times 7 + 4) \div 3 &= 6 \\ 3 \div (4 - 7 \div 2) &= 6 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times 4 - 7 &= 7 \\ 2 \times (3 + 4) - 7 &= 7 \end{aligned}$$

$$2 + 3 - 4 + 7 = 8$$

$$2 \times 3 - 4 + 7 = 9$$

$$\begin{aligned} 2 \times (3 \times 4 - 7) &= 10 \\ 2 + 4 - 3 + 7 &= 10 \end{aligned}$$

2 3 4 8

$$2 + 3 + 4 - 8 = 1$$

$$\begin{aligned} 2 \times 3 + 4 - 8 &= 2 \\ 2 \times (3 - 8 \div 4) &= 2 \\ 2 \times (8 - (3 + 4)) &= 2 \end{aligned}$$

$$2 \times 3 \times 4 \div 8 = 3$$

$$\begin{aligned} 2 \times 3 - 8 \div 4 &= 4 \\ 2 \times 4 \div 8 + 3 &= 4 \end{aligned}$$

$$\begin{aligned} 2 \times (3 - 4 \div 8) &= 5 \\ 2 \times (8 - 4) - 3 &= 5 \\ 3 - 2 + 8 - 4 &= 5 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times 4 - 8 &= 6 \\ 2 \times (3 + 4) - 8 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 4 \div 8) &= 7 \\ 2 + 3 + 8 \div 4 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (3 \times 4 - 8) &= 8 \\ 2 + 3 \div 4 \times 8 &= 8 \\ 2 \div 3 \times (4 + 8) &= 8 \end{aligned}$$

$$2 + 3 - 4 + 8 = 9$$

$$\begin{aligned} (2 - 3 \div 4) \times 8 &= 10 \\ (2 + 3) \div 4 \times 8 &= 10 \\ 2 \times 3 - 4 + 8 &= 10 \end{aligned}$$

2 3 4 9

$$\begin{aligned} (2 + 3 + 4) \div 9 &= 1 \\ 2 \times 3 + 4 - 9 &= 1 \end{aligned}$$

$$\begin{aligned} 2 \div 3 \times 9 - 4 &= 2 \\ (2 + 4) \times 3 \div 9 &= 2 \end{aligned}$$

$$\begin{aligned} 2 + 4 - 9 \div 3 &= 3 \\ 2 \div 4 \times (9 - 3) &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 9 - (3 + 4) &= 4 \\ 2 \times (9 - (3 + 4)) &= 4 \\ 2 + 9 - 3 - 4 &= 4 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times 4 - 9 &= 5 \\ 2 \times (3 + 4) - 9 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (3 \times 4 - 9) &= 6 \\ 2 \times (3 + 9) \div 4 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times (9 - 4) - 3 &= 7 \\ (4 - 3) \times (9 - 2) &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (9 - 3) - 4 &= 8 \\ (3 + 4 + 9) \div 2 &= 8 \end{aligned}$$

$$\begin{aligned} (2 + 3 - 4) \times 9 &= 9 \\ (2 + 4) \times 3 - 9 &= 9 \\ 2 + 4 + 9 \div 3 &= 9 \end{aligned}$$

$$2 + 3 - 4 + 9 = 10$$

2 3 5 5

$$\begin{aligned} 2 \div (3 - 5 \div 5) &= 1 \\ 2 \div 5 + 3 \div 5 &= 1 \\ (2 + 5 \div 5) \div 3 &= 1 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times (5 - 5) &= 2 \\ (2 + 3 + 5) \div 5 &= 2 \end{aligned}$$

$$\begin{aligned} 2 \times (5 - 5) + 3 &= 3 \\ (2 - 5 \div 5) \times 3 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 3 - 5 \div 5 &= 4 \\ 2 \times (3 - 5 \div 5) &= 4 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 5 - 5 &= 5 \\ 2 + 3 \times 5 \div 5 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 5 - 5) &= 6 \\ 2 + 3 + 5 \div 5 &= 6 \\ 2 \times 3 \times 5 \div 5 &= 6 \end{aligned}$$

$$\begin{aligned} (2 - 3 \div 5) \times 5 &= 7 \\ 2 \times 3 + 5 \div 5 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 5 \div 5) &= 8 \\ 2 \times 5 + 3 - 5 &= 8 \end{aligned}$$

$$\begin{aligned} 2 + 5 - 3 + 5 &= 9 \\ 2 \times (5 - 3) + 5 &= 9 \end{aligned}$$

$$\begin{aligned} (3 - 2) \times (5 + 5) &= 10 \\ (3 - 2) \times 5 + 5 &= 10 \\ (3 \times 5 + 5) \div 2 &= 10 \end{aligned}$$

2 3 5 6

$2 \div (3 + 5 - 6) = 1$ $2 \times 5 - (3 + 6) = 1$	$(2 - 5 \div 3) \times 6 = 2$ $2 \div 6 + 5 \div 3 = 2$ $3 - 2 + 6 - 5 = 2$	$(2 + 5 - 6) \times 3 = 3$ $(2 \times 6 + 3) \div 5 = 3$	$2 + 3 + 5 - 6 = 4$ $2 \times (3 + 5 - 6) = 4$	$2 \times 3 \times 5 \div 6 = 5$
$2 + 3 - 5 + 6 = 6$ $(2 + 3) \div 5 \times 6 = 6$ $(2 \times 3 - 5) \times 6 = 6$	$(2 + 3) \div 5 + 6 = 7$ $2 \times 3 - 5 + 6 = 7$	$2 \times (3 + 6 - 5) = 8$ $2 \times 5 - 6 \div 3 = 8$	$2 \div 3 \times 6 + 5 = 9$ $2 \times (5 - 3 \div 6) = 9$ $2 + 5 + 6 \div 3 = 9$	$2 \times (3 + 5) - 6 = 10$ $2 + 5 - 3 + 6 = 10$

2 3 5 7

$2 \div (3 + 7) \times 5 = 1$ $2 \times 5 \div (3 + 7) = 1$	$2 \times (3 + 5 - 7) = 2$ $3 - (2 + 5) \div 7 = 2$	$2 + 3 + 5 - 7 = 3$	$2 \times 3 + 5 - 7 = 4$ $2 + (3 + 7) \div 5 = 4$ $2 \times (3 + 7) \div 5 = 4$	$3 \div (2 - 7 \div 5) = 5$ $5 \times (7 - 2 \times 3) = 5$
$2 \times 5 + 3 - 7 = 6$ $2 + (5 + 7) \div 3 = 6$	$2 + 3 - 5 + 7 = 7$ $(2 + 3) \div 5 \times 7 = 7$ $(2 \times 3 - 5) \times 7 = 7$	$2 \div 3 \times (5 + 7) = 8$ $(2 + 3) \div 5 + 7 = 8$ $2 \times 3 - 5 + 7 = 8$	$2 \times (3 + 5) - 7 = 9$ $(2 \times 5 - 7) \times 3 = 9$	$2 + 3 \times 5 - 7 = 10$ $2 \times (3 + 7 - 5) = 10$

2 3 5 8

$2 - (3 + 5) \div 8 = 1$ $2 - 3 \div (8 - 5) = 1$	$2 + 3 + 5 - 8 = 2$ $2 \times (3 + 5) \div 8 = 2$	$2 + (3 + 5) \div 8 = 3$ $2 \times 3 + 5 - 8 = 3$ $2 + 3 \div (8 - 5) = 3$	$3 - 2 + 8 - 5 = 4$ $(3 - 5 \div 2) \times 8 = 4$	$2 \times 5 + 3 - 8 = 5$ $(2 + 5 + 8) \div 3 = 5$
$(2 \times 5 + 8) \div 3 = 6$ $(2 \times 5 - 8) \times 3 = 6$ $(2 + 8) \times 3 \div 5 = 6$	$(2 \times 8 + 5) \div 3 = 7$ $3 \div 2 \times 8 - 5 = 7$	$2 \times (3 + 5) - 8 = 8$ $2 + 3 - 5 + 8 = 8$ $(2 + 3) \div 5 \times 8 = 8$	$2 + 3 \times 5 - 8 = 9$ $(2 + 3) \div 5 + 8 = 9$	$5 \div 3 \times (8 - 2) = 10$ $5 \times (8 - 2 \times 3) = 10$ $5 \times (8 - 2) \div 3 = 10$

2 3 5 9

$2 + 3 + 5 - 9 = 1$ $2 \div 3 \times 9 - 5 = 1$	$2 \times 3 + 5 - 9 = 2$ $2 \times (9 - (3 + 5)) = 2$ $2 \times (9 - 3 - 5) = 2$	$(2 \times 3 + 9) \div 5 = 3$ $(2 - 5 \div 3) \times 9 = 3$ $(2 \times 5 - 9) \times 3 = 3$	$2 \times 5 + 3 - 9 = 4$ $2 + 5 - 9 \div 3 = 4$ $2 \times (5 - 9 \div 3) = 4$	$2 \times (9 - 5) - 3 = 5$ $3 - 2 + 9 - 5 = 5$
$3 \div 2 \times (9 - 5) = 6$ $3 \div (5 - 9 \div 2) = 6$ $3 \times (9 - (2 + 5)) = 6$	$2 \times (3 + 5) - 9 = 7$ $2 \times 5 - 9 \div 3 = 7$	$2 + 3 \times 5 - 9 = 8$	$2 + 3 - 5 + 9 = 9$ $(2 + 3) \div 5 \times 9 = 9$ $(2 \times 3 - 5) \times 9 = 9$	$(2 + 3) \div 5 + 9 = 10$ $2 \times 3 - 5 + 9 = 10$

2 3 6 6

$2 \div (3 - 6 \div 6) = 1$ $2 \times (6 - 3) \div 6 = 1$	$2 + 3 \times (6 - 6) = 2$ $(2 \times 3 + 6) \div 6 = 2$	$2 \times (3 + 6) \div 6 = 3$	$2 + 3 - 6 \div 6 = 4$ $2 \times (3 - 6 \div 6) = 4$	$2 + 3 + 6 - 6 = 5$ $2 + 3 \times 6 \div 6 = 5$
$2 \times (3 + 6 - 6) = 6$ $2 + 3 + 6 \div 6 = 6$ $2 \times 3 \times 6 \div 6 = 6$	$2 \times 3 \div 6 + 6 = 7$ $2 \times 3 + 6 \div 6 = 7$	$2 \times (3 + 6 \div 6) = 8$	$(2 - 3 \div 6) \times 6 = 9$ $2 \times 6 + 3 - 6 = 9$	$2 \div 3 \times 6 + 6 = 10$ $2 + 6 \div 3 + 6 = 10$

2 3 6 7

$2 \div (3 + 6 - 7) = 1$ $(2 + 7 - 3) \div 6 = 1$	$(2 + 3 + 7) \div 6 = 2$ $2 \times 6 - (3 + 7) = 2$	$2 \times 6 \div (7 - 3) = 3$ $(2 + 6 - 7) \times 3 = 3$	$2 + 3 + 6 - 7 = 4$ $2 \times (3 + 6 - 7) = 4$	$2 \times 3 + 6 - 7 = 5$ $2 + 3 \times (7 - 6) = 5$ $(2 + 3) \times (7 - 6) = 5$
$2 + 3 + 7 - 6 = 6$ $2 \times 3 \times (7 - 6) = 6$	$2 \times 3 \div 6 \times 7 = 7$ $2 \times 3 - 6 + 7 = 7$	$2 \times 3 \div 6 + 7 = 8$ $2 \times (3 + 7 - 6) = 8$	$(2 + 7) \div 3 + 6 = 9$ $(2 + 7 - 6) \times 3 = 9$	$2 \times (7 - 6 \div 3) = 10$ $6 \times (7 - 2) \div 3 = 10$

2 3 6 8

$2 \times 6 - (3 + 8) = 1$ $2 \times 6 - 3 - 8 = 1$	$2 \times (3 + 6 - 8) = 2$ $2 \div 3 + 8 \div 6 = 2$	$2 + 3 + 6 - 8 = 3$	$2 \times 3 + 6 - 8 = 4$ $(2 + 6) \div 8 + 3 = 4$ $2 \times (8 - 3) - 6 = 4$	$(2 + 8) \times 3 \div 6 = 5$
$2 + 3 \div 6 \times 8 = 6$ $2 + 3 \times 8 \div 6 = 6$	$2 + 3 + 8 - 6 = 7$	$2 \times 3 \div 6 \times 8 = 8$ $2 \times 3 - 6 + 8 = 8$	$2 \times 3 \div 6 + 8 = 9$	$2 \times (3 + 6) - 8 = 10$

2 3 6 9

$2 \div (3 \times 6 \div 9) = 1$ $2 - (3 + 6) \div 9 = 1$ $2 \div (3 \times 6) \times 9 = 1$	$2 + 3 + 6 - 9 = 2$ $2 \times (3 + 6) \div 9 = 2$	$2 + (3 + 6) \div 9 = 3$ $2 \times 3 + 6 - 9 = 3$ $2 + 3 \div (9 - 6) = 3$	$2 + 3 \times 6 \div 9 = 4$ $2 \times 3 \times 6 \div 9 = 4$	$2 + 6 - 9 \div 3 = 5$ $2 + 9 \div (6 - 3) = 5$
$2 \div (6 - 3) \times 9 = 6$ $2 \times 6 + 3 - 9 = 6$ $2 \times (6 - 9 \div 3) = 6$	$2 + (6 + 9) \div 3 = 7$ $(2 \times 6 + 9) \div 3 = 7$	$2 + 3 + 9 - 6 = 8$	$2 \times 3 \div 6 \times 9 = 9$ $2 \times (3 + 6) - 9 = 9$	$2 \times 3 \div 6 + 9 = 10$ $2 \div 3 \times (6 + 9) = 10$

2 3 7 7

$$\begin{aligned} 2 \div (3 - 7 \div 7) &= 1 \\ 2 \times (7 - 3) - 7 &= 1 \\ (2 + 7 \div 7) \div 3 &= 1 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times (7 - 7) &= 2 \\ 3 - 2 + 7 \div 7 &= 2 \end{aligned}$$

$$\begin{aligned} 2 \times (7 - 7) + 3 &= 3 \\ (2 - 7 \div 7) \times 3 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 3 - 7 \div 7 &= 4 \\ 2 \times (3 - 7 \div 7) &= 4 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 7 - 7 &= 5 \\ 2 + 3 \times 7 \div 7 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 7 - 7) &= 6 \\ 2 + 3 + 7 \div 7 &= 6 \\ 2 \times 3 \times 7 \div 7 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 3 + 7 \div 7 &= 7 \\ (2 \times 7 + 7) \div 3 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 7 \div 7) &= 8 \\ 3 \times (7 - 2) - 7 &= 8 \end{aligned}$$

$$(2 + 7 \div 7) \times 3 = 9$$

$$\begin{aligned} (2 + 7) \div 3 + 7 &= 10 \\ 2 \times 7 + 3 - 7 &= 10 \end{aligned}$$

2 3 7 8

$$\begin{aligned} 2 \div (3 + 7 - 8) &= 1 \\ 2 \times (7 - 3) \div 8 &= 1 \end{aligned}$$

$$\begin{aligned} (2 \times 3 + 8) \div 7 &= 2 \\ 3 - 2 + 8 - 7 &= 2 \end{aligned}$$

$$\begin{aligned} 2 \times 7 - (3 + 8) &= 3 \\ 2 \times 7 - 3 - 8 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 7 - 8 &= 4 \\ 2 \times (3 + 7 - 8) &= 4 \end{aligned}$$

$$\begin{aligned} 2 \times 3 + 7 - 8 &= 5 \\ 2 + 3 \times (8 - 7) &= 5 \\ (2 + 3) \times (8 - 7) &= 5 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 8 - 7 &= 6 \\ 2 \times 3 \times (8 - 7) &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 3 + 8 - 7 &= 7 \\ 2 + (7 + 8) \div 3 &= 7 \end{aligned}$$

$$2 \times (3 + 8 - 7) = 8$$

$$\begin{aligned} 2 \times 7 + 3 - 8 &= 9 \\ (2 + 8 - 7) \times 3 &= 9 \end{aligned}$$

$$\begin{aligned} 2 \div 3 \times (7 + 8) &= 10 \\ 2 \times (7 + 8) \div 3 &= 10 \end{aligned}$$

2 3 7 9

$$\begin{aligned} 2 + 9 - 3 - 7 &= 1 \\ 2 + 9 - (3 + 7) &= 1 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 7 - 9) &= 2 \\ (2 + 3 + 9) \div 7 &= 2 \end{aligned}$$

$$2 + 3 + 7 - 9 = 3$$

$$\begin{aligned} 2 \times 3 + 7 - 9 &= 4 \\ (2 + 7) \div 9 + 3 &= 4 \\ 2 \div (9 - 7) + 3 &= 4 \end{aligned}$$

$$\begin{aligned} 2 \times (9 - 3) - 7 &= 5 \\ (7 + 9) \div 2 - 3 &= 5 \\ (7 + 9 \div 3) \div 2 &= 5 \end{aligned}$$

$$\begin{aligned} 2 + 7 - 9 \div 3 &= 6 \\ (2 + 7 + 9) \div 3 &= 6 \end{aligned}$$

$$2 + 3 + 9 - 7 = 7$$

$$\begin{aligned} 2 + 3 \times (9 - 7) &= 8 \\ 2 \times 3 + 9 - 7 &= 8 \end{aligned}$$

$$(7 - 2 \times 3) \times 9 = 9$$

$$\begin{aligned} 2 \times (3 + 9 - 7) &= 10 \\ (2 + 3) \times (9 - 7) &= 10 \end{aligned}$$

2 3 8 8

$$\begin{aligned} 2 \div (3 - 8 \div 8) &= 1 \\ (2 + 8 \div 8) \div 3 &= 1 \\ 3 - (2 + 8 - 8) &= 1 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times (8 - 8) &= 2 \\ 2 \times (8 - 3) - 8 &= 2 \end{aligned}$$

$$\begin{aligned} 2 \times (8 - 8) + 3 &= 3 \\ (2 - 8 \div 8) \times 3 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 3 - 8 \div 8 &= 4 \\ 2 \times (3 - 8 \div 8) &= 4 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 8 - 8 &= 5 \\ 2 + 3 \times 8 \div 8 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 8 - 8) &= 6 \\ 2 + 3 + 8 \div 8 &= 6 \\ 2 \times 3 \times 8 \div 8 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 3 + 8 \div 8 &= 7 \\ 3 + 8 - 8 \div 2 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 8 \div 8) &= 8 \\ (2 \times 8 + 8) \div 3 &= 8 \end{aligned}$$

$$(2 + 8 \div 8) \times 3 = 9$$

$$\begin{aligned} 3 \times (8 - 2) - 8 &= 10 \\ 8 - 2 \times 3 + 8 &= 10 \end{aligned}$$

2 3 8 9

$$\begin{aligned} 2 \div (3 + 8 - 9) &= 1 \\ 2 \times (8 - 3) - 9 &= 1 \end{aligned}$$

$$\begin{aligned} 3 - 2 + 9 - 8 &= 2 \\ 3 \times (8 - 2) \div 9 &= 2 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 9) \div 8 &= 3 \\ 2 \div 8 \times (3 + 9) &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 8 - 9 &= 4 \\ 2 \times (3 + 8 - 9) &= 4 \end{aligned}$$

$$\begin{aligned} 2 \times 3 + 8 - 9 &= 5 \\ 2 + 3 \times (9 - 8) &= 5 \\ (2 + 3) \times (9 - 8) &= 5 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 9 - 8 &= 6 \\ 2 \times 3 \times (9 - 8) &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 3 + 9 - 8 &= 7 \\ 2 + 8 - 9 \div 3 &= 7 \end{aligned}$$

$$2 \times (3 + 9 - 8) = 8$$

$$(2 + 9 - 8) \times 3 = 9$$

$$\begin{aligned} 2 \times 8 + 3 - 9 &= 10 \\ 2 \times (8 - 9 \div 3) &= 10 \end{aligned}$$

2 3 9 9

$$\begin{aligned} 2 \div (3 - 9 \div 9) &= 1 \\ (2 + 9 \div 9) \div 3 &= 1 \\ 3 - (2 + 9 - 9) &= 1 \end{aligned}$$

$$\begin{aligned} 2 + 3 \times (9 - 9) &= 2 \\ 3 - 2 + 9 \div 9 &= 2 \end{aligned}$$

$$\begin{aligned} 2 \times (9 - 3) - 9 &= 3 \\ 2 \div (9 - 3) \times 9 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 3 - 9 \div 9 &= 4 \\ 2 \times (3 - 9 \div 9) &= 4 \end{aligned}$$

$$\begin{aligned} 2 + 3 + 9 - 9 &= 5 \\ 2 + 3 \times 9 \div 9 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 9 - 9) &= 6 \\ 2 + 3 + 9 \div 9 &= 6 \\ 2 \times 3 \times 9 \div 9 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 3 + 9 \div 9 &= 7 \\ 9 \div 9 + 2 \times 3 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (3 + 9 \div 9) &= 8 \\ 2 + 9 - 9 \div 3 &= 8 \\ 2 + (9 + 9) \div 3 &= 8 \end{aligned}$$

$$\begin{aligned} (2 + 9 \div 9) \times 3 &= 9 \\ (2 \times 9 + 9) \div 3 &= 9 \end{aligned}$$

$$\begin{aligned} 9 - 2 + 9 \div 3 &= 10 \\ 9 \div 3 - 2 + 9 &= 10 \end{aligned}$$

2 4 4 4

$$2 \times 4 \div (4 + 4) = 1$$

$$\begin{aligned} 2 + 4 \times (4 - 4) &= 2 \\ 4 - (2 + 4 - 4) &= 2 \end{aligned}$$

$$\begin{aligned} (2 \times 4 + 4) \div 4 &= 3 \\ 4 - 2 + 4 \div 4 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + (4 + 4) \div 4 &= 4 \\ 2 \times (4 + 4) \div 4 &= 4 \end{aligned}$$

$$2 + 4 - 4 \div 4 = 5$$

$$\begin{aligned} 2 + 4 + 4 - 4 &= 6 \\ 2 \times (4 - 4 \div 4) &= 6 \\ 2 + 4 \times 4 \div 4 &= 6 \end{aligned}$$

$$2 + 4 + 4 \div 4 = 7$$

$$\begin{aligned} 2 \times (4 + 4 - 4) &= 8 \\ 2 \times 4 \times 4 \div 4 &= 8 \end{aligned}$$

$$\begin{aligned} 2 \times 4 + 4 \div 4 &= 9 \\ 4 \div 4 + 2 \times 4 &= 9 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 4 \div 4) &= 10 \\ 4 - 2 + 4 + 4 &= 10 \end{aligned}$$

2 4 4 5

$$\begin{aligned} 4 - 2 + 4 - 5 &= 1 \\ 4 \div 2 + 4 - 5 &= 1 \\ 4 - (2 + 5 - 4) &= 1 \end{aligned}$$

$$\begin{aligned} 2 + (4 - 4) \times 5 &= 2 \\ (2 + 4 + 4) \div 5 &= 2 \end{aligned}$$

$$\begin{aligned} (2 - 5 \div 4) \times 4 &= 3 \\ (4 - 2) \times 4 - 5 &= 3 \\ 4 \div 2 \times 4 - 5 &= 3 \end{aligned}$$

$$(2 + 4 - 5) \times 4 = 4$$

$$\begin{aligned} 2 + 4 + 4 - 5 &= 5 \\ 2 \times (4 - 4) + 5 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 4 - 5) &= 6 \\ 2 - 4 \div 4 + 5 &= 6 \\ 2 + 4 \times (5 - 4) &= 6 \end{aligned}$$

$$\begin{aligned} 2 + 4 - 4 + 5 &= 7 \\ 2 + 4 \div 4 \times 5 &= 7 \end{aligned}$$

$$\begin{aligned} 2 + 4 \div 4 + 5 &= 8 \\ 2 \times 4 \times (5 - 4) &= 8 \end{aligned}$$

$$2 \times 4 - 4 + 5 = 9$$

$$\begin{aligned} 2 \times (4 - 4 + 5) &= 10 \\ 2 \times 4 \div 4 \times 5 &= 10 \end{aligned}$$

2 4 4 6

$$\begin{aligned} 2 \div (4 + 4 - 6) &= 1 \\ 2 \div 4 \times (6 - 4) &= 1 \\ 2 \times (6 - 4) \div 4 &= 1 \end{aligned}$$

$$\begin{aligned} 2 + (4 - 4) \times 6 &= 2 \\ (2 \times 4 + 4) \div 6 &= 2 \\ 2 \div 4 + 6 \div 4 &= 2 \end{aligned}$$

$$\begin{aligned} (2 + 4 \times 4) \div 6 &= 3 \\ (2 + 4 + 6) \div 4 &= 3 \\ (2 + 4) \div (6 - 4) &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 4 + 4 - 6 &= 4 \\ 2 \times (4 + 4 - 6) &= 4 \end{aligned}$$

$$\begin{aligned} 2 \div 4 \times (4 + 6) &= 5 \\ 2 \times (4 - 6 \div 4) &= 5 \\ 2 \times (4 + 6) \div 4 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (4 - 4) + 6 &= 6 \\ (2 - 4 \div 4) \times 6 &= 6 \\ 2 \times 4 + 4 - 6 &= 6 \end{aligned}$$

$$\begin{aligned} 2 - 4 \div 4 + 6 &= 7 \\ 2 \div 4 \times 6 + 4 &= 7 \end{aligned}$$

$$\begin{aligned} 2 + 4 - 4 + 6 &= 8 \\ 2 + 4 \div 4 \times 6 &= 8 \end{aligned}$$

$$\begin{aligned} 2 + 4 \div 4 + 6 &= 9 \\ (2 + 4) \div 4 \times 6 &= 9 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 4) - 6 &= 10 \\ 2 \times 4 - 4 + 6 &= 10 \\ 2 + 4 \times (6 - 4) &= 10 \end{aligned}$$

2 4 4 7

$$\begin{aligned} 2 + 7 - 4 - 4 &= 1 \\ (2 - 7 \div 4) \times 4 &= 1 \\ 2 + 7 - (4 + 4) &= 1 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 4 - 7) &= 2 \\ 2 + (4 - 4) \times 7 &= 2 \\ (2 + 4) \div (7 - 4) &= 2 \end{aligned}$$

$$2 + 4 + 4 - 7 = 3$$

$$(2 \times 4 - 7) \times 4 = 4$$

$$\begin{aligned} 2 \times 4 + 4 - 7 &= 5 \\ 4 + 2 \times 4 - 7 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times 7 - (4 + 4) &= 6 \\ 2 \times 7 - 4 - 4 &= 6 \\ (4 - 2) \times (7 - 4) &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times (4 - 4) + 7 &= 7 \\ (2 - 4 \div 4) \times 7 &= 7 \\ 4 \times 4 - (2 + 7) &= 7 \end{aligned}$$

$$\begin{aligned} 2 - 4 \div 4 + 7 &= 8 \\ 2 + 7 - 4 \div 4 &= 8 \end{aligned}$$

$$\begin{aligned} 2 + 4 - 4 + 7 &= 9 \\ 2 + 4 \div 4 \times 7 &= 9 \\ 2 \times (4 + 4) - 7 &= 9 \end{aligned}$$

$$2 + 4 \div 4 + 7 = 10$$

2 4 4 8

$$\begin{aligned} 2 \div (4 \times 4 \div 8) &= 1 \\ 2 - (4 + 4) \div 8 &= 1 \\ 2 \div (4 \times 4) \times 8 &= 1 \end{aligned}$$

$$\begin{aligned} 2 + 4 + 4 - 8 &= 2 \\ 2 \times (4 + 4) \div 8 &= 2 \\ 2 + (4 - 4) \times 8 &= 2 \end{aligned}$$

$$\begin{aligned} 2 + (4 + 4) \div 8 &= 3 \\ (2 + 4) \times 4 \div 8 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 4 \times 4 \div 8 &= 4 \\ 2 \times 4 \times 4 \div 8 &= 4 \end{aligned}$$

$$\begin{aligned} 2 + (4 + 8) \div 4 &= 5 \\ 2 \times 4 \div 8 + 4 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \div 4 \times (4 + 8) &= 6 \\ 2 \times (4 + 8) \div 4 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times (4 - 4 \div 8) &= 7 \\ 4 \div 4 + 8 - 2 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 4) - 8 &= 8 \\ (2 - 4 \div 4) \times 8 &= 8 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 4 \div 8) &= 9 \\ 2 - 4 \div 4 + 8 &= 9 \end{aligned}$$

$$\begin{aligned} 2 + 4 - 4 + 8 &= 10 \\ 2 + 4 \times 4 - 8 &= 10 \\ 2 + 4 \div 4 \times 8 &= 10 \end{aligned}$$

2 4 4 9

$$2 + 4 + 4 - 9 = 1$$

$$\begin{aligned} 2 + (4 - 4) \times 9 &= 2 \\ (2 + 4 \times 4) \div 9 &= 2 \\ 2 \times (9 - (4 + 4)) &= 2 \end{aligned}$$

$$\begin{aligned} 2 \times 4 + 4 - 9 &= 3 \\ 2 + 9 - (4 + 4) &= 3 \\ 2 + 9 - 4 - 4 &= 3 \end{aligned}$$

$$4 \times (9 - 2 \times 4) = 4$$

$$\begin{aligned} 4 \times 4 - (2 + 9) &= 5 \\ 4 \times 4 - 2 - 9 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (9 - 4) - 4 &= 6 \\ 4 \div (2 + 4) \times 9 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 4) - 9 &= 7 \\ 4 - 2 + 9 - 4 &= 7 \\ 4 \div 2 + 9 - 4 &= 7 \end{aligned}$$

$$\begin{aligned} 4 \div 4 + 9 - 2 &= 8 \\ 4 \div (9 \div 2 - 4) &= 8 \end{aligned}$$

$$\begin{aligned} 2 + 4 \times 4 - 9 &= 9 \\ 2 \times (4 - 4) + 9 &= 9 \end{aligned}$$

$$\begin{aligned} 2 - 4 \div 4 + 9 &= 10 \\ 2 + 9 - 4 \div 4 &= 10 \end{aligned}$$

2 4 5 5

$$\begin{aligned} 2 \times 5 - (4 + 5) &= 1 \\ 2 \times 5 - 4 - 5 &= 1 \end{aligned}$$

$$\begin{aligned} 2 + 4 \times (5 - 5) &= 2 \\ 4 - (2 + 5 - 5) &= 2 \end{aligned}$$

$$\begin{aligned} (2 + 5 + 5) \div 4 &= 3 \\ 4 - 2 + 5 \div 5 &= 3 \end{aligned}$$

$$\begin{aligned} 2 \times (5 - 5) + 4 &= 4 \\ (2 - 5 \div 5) \times 4 &= 4 \end{aligned}$$

$$\begin{aligned} 2 + 4 - 5 \div 5 &= 5 \\ 2 \div 4 \times (5 + 5) &= 5 \end{aligned}$$

$$\begin{aligned} 2 + 4 + 5 - 5 &= 6 \\ 2 \times (4 - 5 \div 5) &= 6 \\ 2 + 4 \times 5 \div 5 &= 6 \end{aligned}$$

$$\begin{aligned} 2 + 4 + 5 \div 5 &= 7 \\ 2 \times 4 - 5 \div 5 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 5 - 5) &= 8 \\ 2 \times 4 \times 5 \div 5 &= 8 \end{aligned}$$

$$\begin{aligned} 2 \times 4 + 5 \div 5 &= 9 \\ 2 \times 5 + 4 - 5 &= 9 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 5 \div 5) &= 10 \\ 2 \times (5 - 4) \times 5 &= 10 \end{aligned}$$

2 4 5 6

$$\begin{aligned} 2 \div (4 + 6) \times 5 &= 1 \\ 2 \times 5 \div (4 + 6) &= 1 \end{aligned}$$

$$\begin{aligned} 4 - 2 \times (6 - 5) &= 2 \\ 4 \div (2 \times (6 - 5)) &= 2 \\ (4 - 2) \times (6 - 5) &= 2 \end{aligned}$$

$$2 \times (4 + 5) \div 6 = 3$$

$$\begin{aligned} 2 + (4 + 6) \div 5 &= 4 \\ 2 \times (4 + 6) \div 5 &= 4 \end{aligned}$$

$$\begin{aligned} 2 + 4 + 5 - 6 &= 5 \\ (2 + 4) \times 5 \div 6 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 5 - 6) &= 6 \\ 2 + 4 \times (6 - 5) &= 6 \end{aligned}$$

$$\begin{aligned} 2 + 4 - 5 + 6 &= 7 \\ 2 \times 4 + 5 - 6 &= 7 \end{aligned}$$

$$\begin{aligned} 2 \times 4 \times (6 - 5) &= 8 \\ 2 \div 4 \times 6 + 5 &= 8 \end{aligned}$$

$$2 \times 4 - 5 + 6 = 9$$

$$\begin{aligned} 2 \times (4 + 6 - 5) &= 10 \\ (2 \times 4 - 6) \times 5 &= 10 \end{aligned}$$

2 4 5 7

$$\begin{aligned} 2 \div (4 + 5 - 7) &= 1 \\ 2 \div 4 \times (7 - 5) &= 1 \end{aligned}$$

$$(2 \times 5 + 4) \div 7 = 2$$

$$\begin{aligned} (2 + 4) \div (7 - 5) &= 3 \\ (2 \times 4 + 7) \div 5 &= 3 \\ 4 - (2 + 5) \div 7 &= 3 \end{aligned}$$

$$\begin{aligned} 2 + 4 + 5 - 7 &= 4 \\ 2 \times (4 + 5 - 7) &= 4 \end{aligned}$$

$$\begin{aligned} (2 \times 4 - 7) \times 5 &= 5 \\ 2 + (5 + 7) \div 4 &= 5 \end{aligned}$$

$$\begin{aligned} 2 \div 4 \times (5 + 7) &= 6 \\ 2 \times 4 + 5 - 7 &= 6 \\ (2 + 4 \times 7) \div 5 &= 6 \end{aligned}$$

$$\begin{aligned} (2 + 4 - 5) \times 7 &= 7 \\ 2 \times 5 + 4 - 7 &= 7 \end{aligned}$$

$$2 + 4 - 5 + 7 = 8$$

$$2 + (5 - 4) \times 7 = 9$$

$$\begin{aligned} 2 \times 4 - 5 + 7 &= 10 \\ 2 + 4 \times (7 - 5) &= 10 \end{aligned}$$

2 4 5 8

$$\begin{aligned} 2 + 8 - 4 - 5 &= 1 \\ 2 + 8 - (4 + 5) &= 1 \end{aligned}$$

$$\begin{aligned} 2 \times (4 + 5 - 8) &= 2 \\ (2 + 4) \div (8 - 5) &= 2 \end{aligned}$$

$$2 + 4 + 5 - 8 = 3$$

$$\begin{aligned} (2 \times 8 + 4) \div 5 &= 4 \\ 4 \times (5 - 2) - 8 &= 4 \end{aligned}$$

$$2 \times 4 \times 5 \div 8 = 5$$

$$\begin{aligned} 2 \times 4 \div 8 + 5 &= 6 \\ (2 - 5 \div 4) \times 8 &= 6 \end{aligned}$$

$$\begin{aligned} 2 \times 8 - (4 + 5) &= 7 \\ 2 \times 8 - 4 - 5 &= 7 \end{aligned}$$

$$\begin{aligned} (2 + 4 - 5) \times 8 &= 8 \\ 2 \times 5 - 8 \div 4 &= 8 \\ (2 \times 5 - 8) \times 4 &= 8 \end{aligned}$$

$$2 + 4 - 5 + 8 = 9$$

$$\begin{aligned} 2 \times (4 + 5) - 8 &= 10 \\ 2 + (5 - 4) \times 8 &= 10 \end{aligned}$$

2 4 5 9

$2 - (4 + 5) \div 9 = 1$ $2 - 4 \div (9 - 5) = 1$	$2 + 4 + 5 - 9 = 2$ $2 \times (4 + 5) \div 9 = 2$	$2 + (4 + 5) \div 9 = 3$ $2 + 4 \div (9 - 5) = 3$ $(2 + 4 + 9) \div 5 = 3$	$2 \times 4 + 5 - 9 = 4$ $(2 + 5 + 9) \div 4 = 4$	$2 \times 5 + 4 - 9 = 5$ $2 \times (9 - 4) - 5 = 5$
$4 - 2 + 9 - 5 = 6$ $4 \div 2 + 9 - 5 = 6$	$2 \div 4 \times (5 + 9) = 7$ $2 \times (5 + 9) \div 4 = 7$	$(4 - 2) \times (9 - 5) = 8$ $4 \div 2 \times (9 - 5) = 8$ $4 \div (5 - 9 \div 2) = 8$	$2 \times (4 + 5) - 9 = 9$ $(2 + 4 - 5) \times 9 = 9$	$2 + 4 - 5 + 9 = 10$

2 4 6 6

$2 \div 6 + 4 \div 6 = 1$ $4 - (2 + 6 \div 6) = 1$ $4 - 2 - 6 \div 6 = 1$	$2 + 4 \times (6 - 6) = 2$ $(2 + 4 + 6) \div 6 = 2$	$(2 - 6 \div 4) \times 6 = 3$ $4 \div (2 + 6) \times 6 = 3$ $4 - 2 + 6 \div 6 = 3$	$2 \times (6 - 6) + 4 = 4$ $(2 - 6 \div 6) \times 4 = 4$ $(2 + 6) \div (6 - 4) = 4$	$2 + 4 - 6 \div 6 = 5$ $2 + 6 \div (6 - 4) = 5$
$2 + 4 + 6 - 6 = 6$ $2 \times (4 - 6 \div 6) = 6$ $2 + 4 \times 6 \div 6 = 6$	$2 + 4 + 6 \div 6 = 7$ $2 \times 4 - 6 \div 6 = 7$	$2 \times (4 + 6 - 6) = 8$ $2 \times 4 \times 6 \div 6 = 8$	$2 \times 4 + 6 \div 6 = 9$ $2 \div 4 \times 6 + 6 = 9$	$2 \times (4 + 6 \div 6) = 10$ $2 + 6 - 4 + 6 = 10$

2 4 6 7

$2 \times 6 - (4 + 7) = 1$ $2 \times 6 - 4 - 7 = 1$	$(2 \times 4 + 6) \div 7 = 2$	$(2 \times 7 + 4) \div 6 = 3$ $4 - 2 + 7 - 6 = 3$	$2 + 6 \div (7 - 4) = 4$ $2 \times 6 \div (7 - 4) = 4$	$2 + 4 + 6 - 7 = 5$
$2 \times (4 + 6 - 7) = 6$ $2 + 4 \times (7 - 6) = 6$ $(2 + 4) \times (7 - 6) = 6$	$2 + 4 - 6 + 7 = 7$ $(2 + 4) \div 6 \times 7 = 7$ $2 \times 4 + 6 - 7 = 7$	$(2 + 4) \div 6 + 7 = 8$ $2 \times 4 \times (7 - 6) = 8$	$2 \times 4 - 6 + 7 = 9$	$2 \div 4 \times 6 + 7 = 10$ $2 \times (4 + 7 - 6) = 10$

2 4 6 8

$2 \div (4 + 6 - 8) = 1$ $2 \div (4 + 8) \times 6 = 1$ $2 \div 4 \times (8 - 6) = 1$	$(2 \times 6 + 4) \div 8 = 2$ $(2 + 6) \div (8 - 4) = 2$ $2 \times (8 - 4) - 6 = 2$	$(2 + 4) \div (8 - 6) = 3$ $2 \times 6 \div (8 - 4) = 3$	$2 + 4 + 6 - 8 = 4$ $2 \times (4 + 6 - 8) = 4$	$2 + 4 \times 6 \div 8 = 5$
$2 \times 4 \times 6 \div 8 = 6$	$2 \div 4 \times (6 + 8) = 7$ $2 \times 4 \div 8 + 6 = 7$	$2 + 4 - 6 + 8 = 8$ $(2 + 4) \div 6 \times 8 = 8$	$(2 + 4) \div 6 + 8 = 9$ $(2 - 4 \div 8) \times 6 = 9$ $2 \div (6 - 4) + 8 = 9$	$2 \times 4 - 6 + 8 = 10$ $2 + 4 \times (8 - 6) = 10$

2 4 6 9

$2 + 9 - 4 - 6 = 1$ $2 + 9 - (4 + 6) = 1$	$2 \times (4 + 6 - 9) = 2$ $(2 + 4) \div (9 - 6) = 2$ $2 \div 4 + 9 \div 6 = 2$	$2 + 4 + 6 - 9 = 3$	$(2 + 4) \times 6 \div 9 = 4$	$2 \times 4 + 6 - 9 = 5$ $2 \times (4 - 9 \div 6) = 5$
$(2 \times 9 + 6) \div 4 = 6$ $(4 - 2) \times (9 - 6) = 6$ $4 \div 2 \times (9 - 6) = 6$	$2 \times 6 + 4 - 9 = 7$ $2 \div 6 \times 9 + 4 = 7$	$2 + 4 \div 6 \times 9 = 8$ $2 + 4 \times 9 \div 6 = 8$	$2 + 4 - 6 + 9 = 9$ $(2 + 4) \div 6 \times 9 = 9$	$(2 + 4) \div 6 + 9 = 10$ $2 \div (6 - 4) + 9 = 10$ $2 \times (9 - 6) + 4 = 10$

2 4 7 7

$4 - (2 + 7 \div 7) = 1$ $4 - 2 - 7 \div 7 = 1$ $4 \div 2 - 7 \div 7 = 1$	$2 + 4 \times (7 - 7) = 2$ $4 - (2 + 7 - 7) = 2$	$2 \times 7 - (4 + 7) = 3$ $2 \times 7 - 4 - 7 = 3$ $(2 + 7) \div (7 - 4) = 3$	$(2 + 7 + 7) \div 4 = 4$ $2 \times (7 - 7) + 4 = 4$ $(2 - 7 \div 7) \times 4 = 4$	$2 + 4 - 7 \div 7 = 5$
$2 + 4 + 7 - 7 = 6$ $2 \times (4 - 7 \div 7) = 6$ $2 + 4 \times 7 \div 7 = 6$	$2 + 4 + 7 \div 7 = 7$ $2 \times 4 - 7 \div 7 = 7$	$2 \times (4 + 7 - 7) = 8$ $2 \times 4 \times 7 \div 7 = 8$	$2 \times 4 + 7 \div 7 = 9$ $(4 + 7 + 7) \div 2 = 9$	$2 \times (4 + 7 \div 7) = 10$ $(2 - 4 \div 7) \times 7 = 10$

2 4 7 8

$2 \times (8 - 4) - 7 = 1$ $4 - 2 + 7 - 8 = 1$ $4 \div 2 + 7 - 8 = 1$	$(2 + 4 + 8) \div 7 = 2$ $(2 - 7 \div 4) \times 8 = 2$	$4 - 2 + 8 - 7 = 3$ $4 \div 2 + 8 - 7 = 3$	$(2 + 7 - 8) \times 4 = 4$	$2 + 4 + 7 - 8 = 5$
$2 \times (4 + 7 - 8) = 6$ $2 + 4 \times (8 - 7) = 6$ $(2 + 4) \times (8 - 7) = 6$	$2 \times 4 \times 7 \div 8 = 7$	$(2 \times 4 - 7) \times 8 = 8$ $2 \times 4 \times (8 - 7) = 8$ $2 \times 4 \div 8 + 7 = 8$	$2 \times 4 - 7 + 8 = 9$	$2 \times (4 + 8 - 7) = 10$ $2 \times 7 + 4 - 8 = 10$

2 4 7 9

$2 \div (4 + 7 - 9) = 1$ $2 \div 4 \times (9 - 7) = 1$	$(2 \times 7 + 4) \div 9 = 2$	$(2 + 4) \div (9 - 7) = 3$ $2 \times (9 - 4) - 7 = 3$ $4 - (2 + 7) \div 9 = 3$	$2 + 4 + 7 - 9 = 4$ $2 \times (4 + 7 - 9) = 4$	$(2 + 7) \div 9 + 4 = 5$ $2 + 9 \div (7 - 4) = 5$
$2 \times 4 + 7 - 9 = 6$ $2 \div (7 - 4) \times 9 = 6$ $2 + (7 + 9) \div 4 = 6$	$2 \times 9 - (4 + 7) = 7$ $2 \times 9 - 4 - 7 = 7$	$2 \div 4 \times (7 + 9) = 8$ $2 + 4 + 9 - 7 = 8$	$(2 \times 4 - 7) \times 9 = 9$ $2 \times 7 + 4 - 9 = 9$	$2 \times 4 - 7 + 9 = 10$ $2 + 4 \times (9 - 7) = 10$

2488

$$\begin{array}{l} 2 \times (8-4) \div 8 = 1 \\ 2 \div 8 \times (8-4) = 1 \end{array}$$

$$\begin{array}{l} 2+4 \times (8-8) = 2 \\ (2 \times 4+8) \div 8 = 2 \end{array}$$

$$2 \times (4+8) \div 8 = 3$$

$$\begin{array}{l} 2 \div (8-4) \times 8 = 4 \\ 2 \times 8 - (4+8) = 4 \\ 2 \times 8 - 4 - 8 = 4 \end{array}$$

$$\begin{array}{l} 2+4-8 \div 8 = 5 \\ (2+8) \times 4 \div 8 = 5 \end{array}$$

$$\begin{array}{l} 2+4+8-8 = 6 \\ 2 \times (4-8 \div 8) = 6 \\ 2+4 \times 8 \div 8 = 6 \end{array}$$

$$\begin{array}{l} 2+4+8 \div 8 = 7 \\ 2 \times 4-8 \div 8 = 7 \end{array}$$

$$\begin{array}{l} 2 \times (4+8-8) = 8 \\ 2 \times 4 \times 8 \div 8 = 8 \end{array}$$

$$\begin{array}{l} 2 \times 4 \div 8+8 = 9 \\ 2 \times 4+8 \div 8 = 9 \end{array}$$

$$\begin{array}{l} 2 \times (4+8 \div 8) = 10 \\ (4+8+8) \div 2 = 10 \end{array}$$

2489

$$\begin{array}{l} 4-2+8-9 = 1 \\ 4 \div 2+8-9 = 1 \\ 4-(2+9-8) = 1 \end{array}$$

$$\begin{array}{l} (2+8) \div (9-4) = 2 \\ 2 \times (9-4) - 8 = 2 \end{array}$$

$$\begin{array}{l} 2 \times 8 - (4+9) = 3 \\ 2 \times 8 - 4 - 9 = 3 \end{array}$$

$$(2+8-9) \times 4 = 4$$

$$2+4+8-9 = 5$$

$$\begin{array}{l} 2 \times (4+8-9) = 6 \\ 2+4 \times (9-8) = 6 \\ (2+4) \times (9-8) = 6 \end{array}$$

$$\begin{array}{l} 2 \times 4+8-9 = 7 \\ 2+4+9-8 = 7 \end{array}$$

$$2 \times 4 \times (9-8) = 8$$

$$\begin{array}{l} 2 \times 4 \div 8 \times 9 = 9 \\ 2 \times 4-8+9 = 9 \end{array}$$

$$\begin{array}{l} 2 \times 4 \div 8+9 = 10 \\ 2 \times (4+9-8) = 10 \end{array}$$

2499

$$\begin{array}{l} 2 \times (9-4) - 9 = 1 \\ 4 - (2+9 \div 9) = 1 \\ 4-2-9 \div 9 = 1 \end{array}$$

$$\begin{array}{l} 2+4 \times (9-9) = 2 \\ 4 - (2+9-9) = 2 \end{array}$$

$$\begin{array}{l} 4-2+9 \div 9 = 3 \\ 4 \div 2+9 \div 9 = 3 \\ 4+9 \div 9-2 = 3 \end{array}$$

$$\begin{array}{l} 2 \times (9-9) + 4 = 4 \\ (2-9 \div 9) \times 4 = 4 \end{array}$$

$$\begin{array}{l} 2+4-9 \div 9 = 5 \\ 2 \times 9 - (4+9) = 5 \end{array}$$

$$\begin{array}{l} 2+4+9-9 = 6 \\ 2 \times (4-9 \div 9) = 6 \\ 2+4 \times 9 \div 9 = 6 \end{array}$$

$$\begin{array}{l} 2+4+9 \div 9 = 7 \\ 2 \times 4-9 \div 9 = 7 \end{array}$$

$$\begin{array}{l} 2 \times (4+9-9) = 8 \\ 2 \times 4 \times 9 \div 9 = 8 \end{array}$$

$$\begin{array}{l} 2 \times 4+9 \div 9 = 9 \\ 2 \div 4 \times (9+9) = 9 \\ 2 \times (9+9) \div 4 = 9 \end{array}$$

$$2 \times (4+9 \div 9) = 10$$

2555

$$2 \times 5 \div (5+5) = 1$$

$$\begin{array}{l} 2+5 \times (5-5) = 2 \\ 5 - (2+5 \div 5) = 2 \end{array}$$

$$\begin{array}{l} (2 \times 5+5) \div 5 = 3 \\ 5 - (2+5-5) = 3 \\ 5-2 \times 5 \div 5 = 3 \end{array}$$

$$\begin{array}{l} 2 + (5+5) \div 5 = 4 \\ 2 \times (5+5) \div 5 = 4 \end{array}$$

$$\begin{array}{l} 2 \times (5-5) + 5 = 5 \\ (2-5 \div 5) \times 5 = 5 \end{array}$$

$$2+5-5 \div 5 = 6$$

$$\begin{array}{l} 2+5+5-5 = 7 \\ 2+5 \times 5 \div 5 = 7 \end{array}$$

$$\begin{array}{l} 2+5+5 \div 5 = 8 \\ 2 \times (5-5 \div 5) = 8 \end{array}$$

$$2 \times 5-5 \div 5 = 9$$

$$\begin{array}{l} 2 \times (5+5-5) = 10 \\ 2 \times 5 \times 5 \div 5 = 10 \end{array}$$

2556

$$5+6-2 \times 5 = 1$$

$$\begin{array}{l} 2 + (5-5) \times 6 = 2 \\ (2+5+5) \div 6 = 2 \end{array}$$

$$\begin{array}{l} 5 \div (2 \times 5 \div 6) = 3 \\ 5 \div (2 \times 5) \times 6 = 3 \\ 5 \div 2 \div 5 \times 6 = 3 \end{array}$$

$$\begin{array}{l} (2-6 \div 5) \times 5 = 4 \\ 5-2+6-5 = 4 \end{array}$$

$$(2+5-6) \times 5 = 5$$

$$\begin{array}{l} 2+5+5-6 = 6 \\ 2 \times (5-5) + 6 = 6 \end{array}$$

$$\begin{array}{l} 2-5 \div 5+6 = 7 \\ 2+5 \times (6-5) = 7 \\ (2+5) \times (6-5) = 7 \end{array}$$

$$\begin{array}{l} 2 \times (5+5-6) = 8 \\ 2+5-5+6 = 8 \\ 2+5 \div 5 \times 6 = 8 \end{array}$$

$$\begin{array}{l} 2+5 \div 5+6 = 9 \\ 2 \times 5+5-6 = 9 \end{array}$$

$$\begin{array}{l} 2 \times 5 \times (6-5) = 10 \\ 2 \times (6-5 \div 5) = 10 \end{array}$$

2557

$$\begin{array}{l} 5-2+5-7 = 1 \\ 5 - (2+7-5) = 1 \\ 5-2 \times (7-5) = 1 \end{array}$$

$$\begin{array}{l} 2 + (5-5) \times 7 = 2 \\ (5-2+7) \div 5 = 2 \end{array}$$

$$\begin{array}{l} (2-7 \div 5) \times 5 = 3 \\ (7-5 \div 5) \div 2 = 3 \end{array}$$

$$\begin{array}{l} 2 \times 7 - (5+5) = 4 \\ 2 \times 7 - 5 - 5 = 4 \\ 5 - (2+5) \div 7 = 4 \end{array}$$

$$\begin{array}{l} 2+5+5-7 = 5 \\ (2+5) \times 5 \div 7 = 5 \end{array}$$

$$\begin{array}{l} 2 \times (5+5-7) = 6 \\ (2+5) \div 7+5 = 6 \\ 2 \div (7-5) + 5 = 6 \end{array}$$

$$\begin{array}{l} 2 \times (5-5) + 7 = 7 \\ (2-5 \div 5) \times 7 = 7 \end{array}$$

$$\begin{array}{l} 2-5 \div 5+7 = 8 \\ 2 \times 5+5-7 = 8 \end{array}$$

$$\begin{array}{l} 2+5-5+7 = 9 \\ 2+5 \div 5 \times 7 = 9 \end{array}$$

$$2+5 \div 5+7 = 10$$

2558

$$\begin{array}{l} 2 \div (5+5-8) = 1 \\ (2+8-5) \div 5 = 1 \\ 2 \times (8-5) - 5 = 1 \end{array}$$

$$\begin{array}{l} 2 + (5-5) \times 8 = 2 \\ 2 \div 5+8 \div 5 = 2 \end{array}$$

$$(2+5+8) \div 5 = 3$$

$$\begin{array}{l} 2+5+5-8 = 4 \\ 2 \times (5+5-8) = 4 \end{array}$$

$$\begin{array}{l} 5 \times (5-8 \div 2) = 5 \\ 5 \div 5+8 \div 2 = 5 \\ 5 \times (8-(2+5)) = 5 \end{array}$$

$$\begin{array}{l} 2 \times 8 - (5+5) = 6 \\ 2 \times 8 - 5 - 5 = 6 \\ 5-2+8-5 = 6 \end{array}$$

$$\begin{array}{l} 2 \times 5+5-8 = 7 \\ (2+8) \div 5+5 = 7 \end{array}$$

$$\begin{array}{l} 2 \times (5-5) + 8 = 8 \\ (2-5 \div 5) \times 8 = 8 \end{array}$$

$$\begin{array}{l} 2-5 \div 5+8 = 9 \\ 2+8-5 \div 5 = 9 \end{array}$$

$$\begin{array}{l} 2+5-5+8 = 10 \\ 2+5 \div 5 \times 8 = 10 \end{array}$$

2559

$$\begin{array}{l} 2+9-5-5 = 1 \\ (2-9 \div 5) \times 5 = 1 \\ 2+9-(5+5) = 1 \end{array}$$

$$\begin{array}{l} 2 \times (5+5-9) = 2 \\ 2 + (5-5) \times 9 = 2 \end{array}$$

$$\begin{array}{l} 2+5+5-9 = 3 \\ (2+5 \times 5) \div 9 = 3 \end{array}$$

$$5+9-2 \times 5 = 4$$

$$(2 \times 5-9) \times 5 = 5$$

$$\begin{array}{l} 2 \times 5+5-9 = 6 \\ 5+2 \times 5-9 = 6 \end{array}$$

$$\begin{array}{l} 5-2+9-5 = 7 \\ 5 \times 5-2 \times 9 = 7 \end{array}$$

$$\begin{array}{l} 2 \times 9 - (5+5) = 8 \\ 2 \times 9 - 5 - 5 = 8 \\ 5 \div 5+9-2 = 8 \end{array}$$

$$\begin{array}{l} 2 \times (5-5) + 9 = 9 \\ (2-5 \div 5) \times 9 = 9 \end{array}$$

$$\begin{array}{l} 2-5 \div 5+9 = 10 \\ 2+9-5 \div 5 = 10 \end{array}$$

2 5 6 6

$2 \times 6 - (5 + 6) = 1$ $2 \times 6 - 5 - 6 = 1$	$2 + 5 \times (6 - 6) = 2$ $5 - (2 + 6 \div 6) = 2$	$5 - (2 + 6 - 6) = 3$ $5 - 2 \times 6 \div 6 = 3$	$5 - 2 + 6 \div 6 = 4$ $5 + 6 \div 6 - 2 = 4$ $6 - 2 \times (6 - 5) = 4$	$2 \times (6 - 6) + 5 = 5$ $(2 - 6 \div 6) \times 5 = 5$
$2 + 5 - 6 \div 6 = 6$ $(2 + 5 - 6) \times 6 = 6$	$2 + 5 + 6 - 6 = 7$ $2 + 5 \times 6 \div 6 = 7$	$2 + 5 + 6 \div 6 = 8$ $2 \times (5 - 6 \div 6) = 8$	$2 \times 5 - 6 \div 6 = 9$ $2 + 6 - 5 + 6 = 9$	$2 \times (5 + 6 - 6) = 10$ $2 \times 5 \times 6 \div 6 = 10$

2 5 6 7

$2 \div (5 + 7) \times 6 = 1$ $2 \times 6 \div (5 + 7) = 1$	$5 - 2 + 6 - 7 = 2$ $5 - (2 + 7 - 6) = 2$	$(2 + 6 + 7) \div 5 = 3$ $2 \times 7 - (5 + 6) = 3$	$2 + (5 + 7) \div 6 = 4$ $2 \times (5 + 7) \div 6 = 4$	$2 + 6 \div (7 - 5) = 5$ $(2 + 6 - 7) \times 5 = 5$
$2 + 5 + 6 - 7 = 6$ $(2 + 5) \times 6 \div 7 = 6$	$(2 + 5 - 6) \times 7 = 7$ $2 + 5 \times (7 - 6) = 7$ $(2 + 5) \times (7 - 6) = 7$	$2 \times (5 + 6 - 7) = 8$ $2 + 5 - 6 + 7 = 8$	$2 \times 5 + 6 - 7 = 9$ $2 + (6 - 5) \times 7 = 9$	$2 \times 5 \times (7 - 6) = 10$ $2 + 6 - 5 + 7 = 10$

2 5 6 8

$2 \div 6 \times (8 - 5) = 1$ $2 \times (8 - 5) \div 6 = 1$	$(2 \times 5 + 6) \div 8 = 2$	$(2 \times 5 + 8) \div 6 = 3$ $5 \div (2 + 8) \times 6 = 3$	$(2 + 5 \times 6) \div 8 = 4$ $2 + 6 \div (8 - 5) = 4$	$2 + 5 + 6 - 8 = 5$
$2 \times (5 + 6 - 8) = 6$ $(2 + 6) \div 8 + 5 = 6$	$(2 + 5 \times 8) \div 6 = 7$ $5 \div 2 \times 6 - 8 = 7$	$(2 + 5 - 6) \times 8 = 8$ $2 \times 5 + 6 - 8 = 8$	$2 + 5 - 6 + 8 = 9$	$2 + (6 - 5) \times 8 = 10$ $(2 + 6 \times 8) \div 5 = 10$

2 5 6 9

$2 \div (5 + 6 - 9) = 1$ $(2 + 9 - 5) \div 6 = 1$	$(2 + 6) \div (9 - 5) = 2$ $2 \times (9 - 5) - 6 = 2$ $5 - 2 \div 6 \times 9 = 2$	$2 \times 6 \div (9 - 5) = 3$	$2 + 5 + 6 - 9 = 4$ $2 \times (5 + 6 - 9) = 4$	$2 + (6 + 9) \div 5 = 5$ $5 \times (9 - (2 + 6)) = 5$
$2 \div 5 \times (6 + 9) = 6$ $(2 \times 5 - 9) \times 6 = 6$	$2 \times 5 + 6 - 9 = 7$ $2 \times (5 - 9 \div 6) = 7$	$2 \times 6 + 5 - 9 = 8$ $2 \div 6 \times 9 + 5 = 8$	$(2 + 5 - 6) \times 9 = 9$ $(5 - 2) \times 6 - 9 = 9$	$2 + 5 - 6 + 9 = 10$

2 5 7 7

$2 \div 7 + 5 \div 7 = 1$ $7 - (5 + 7) \div 2 = 1$	$2 + 5 \times (7 - 7) = 2$ $(2 + 5 + 7) \div 7 = 2$	$5 - (2 + 7 - 7) = 3$ $5 - 2 \times 7 \div 7 = 3$	$5 - 2 + 7 \div 7 = 4$ $5 + 7 \div 7 - 2 = 4$ $7 + 7 - 2 \times 5 = 4$	$2 \times (7 - 7) + 5 = 5$ $(2 - 7 \div 7) \times 5 = 5$
$2 + 5 - 7 \div 7 = 6$	$2 + 5 + 7 - 7 = 7$ $2 + 5 \times 7 \div 7 = 7$	$2 + 5 + 7 \div 7 = 8$ $2 \times (5 - 7 \div 7) = 8$	$(2 - 5 \div 7) \times 7 = 9$ $2 \times 5 - 7 \div 7 = 9$	$2 \times (5 + 7 - 7) = 10$ $2 \times 5 \times 7 \div 7 = 10$

2 5 7 8

$2 \times 7 - (5 + 8) = 1$ $2 \times 7 - 5 - 8 = 1$	$5 - 2 + 7 - 8 = 2$ $5 - (2 + 8 - 7) = 2$	$2 \times (5 + 7) \div 8 = 3$	$2 \times 8 - (5 + 7) = 4$ $2 \times 8 - 5 - 7 = 4$	$2 + (7 + 8) \div 5 = 5$ $(2 + 7 - 8) \times 5 = 5$
$2 + 5 + 7 - 8 = 6$ $2 \div 5 \times (7 + 8) = 6$	$2 + 5 \times (8 - 7) = 7$ $(2 + 5) \times (8 - 7) = 7$	$2 \times (5 + 7 - 8) = 8$ $2 + 5 - 7 + 8 = 8$ $(2 + 5) \div 7 \times 8 = 8$	$(2 + 5) \div 7 + 8 = 9$ $2 \times 5 + 7 - 8 = 9$	$2 \times 5 \times (8 - 7) = 10$

2 5 7 9

$2 \div (5 + 9) \times 7 = 1$ $2 \times 7 \div (5 + 9) = 1$	$5 \div (7 - 9 \div 2) = 2$	$(7 + 9) \div 2 - 5 = 3$ $9 \div (2 \times 5 - 7) = 3$	$2 + (5 + 9) \div 7 = 4$ $2 \times (5 + 9) \div 7 = 4$	$2 + 5 + 7 - 9 = 5$
$2 \times (5 + 7 - 9) = 6$ $(2 + 7) \div 9 + 5 = 6$	$(2 \times 5 - 9) \times 7 = 7$ $5 \div (2 - 9 \div 7) = 7$	$2 \times 5 + 7 - 9 = 8$	$2 + 5 - 7 + 9 = 9$ $(2 + 5) \div 7 \times 9 = 9$	$(2 + 5) \div 7 + 9 = 10$ $2 \div (7 - 5) + 9 = 10$ $2 \times 7 + 5 - 9 = 10$

2 5 8 8

$5 + 8 \div 2 - 8 = 1$	$2 + 5 \times (8 - 8) = 2$ $5 - (2 + 8 \div 8) = 2$	$2 \times 8 - (5 + 8) = 3$ $2 \times 8 - 5 - 8 = 3$	$5 \div (2 + 8) \times 8 = 4$ $5 - 2 + 8 \div 8 = 4$	$2 \times (8 - 8) + 5 = 5$ $(2 - 8 \div 8) \times 5 = 5$
$2 + 5 - 8 \div 8 = 6$	$2 + 5 + 8 - 8 = 7$ $2 + 5 \times 8 \div 8 = 7$	$2 + 5 + 8 \div 8 = 8$ $2 \times (5 - 8 \div 8) = 8$	$2 \times 5 - 8 \div 8 = 9$ $5 - 8 \div 2 + 8 = 9$	$2 \times (5 + 8 - 8) = 10$ $2 \times 5 \times 8 \div 8 = 10$

2 5 8 9

$2 \div 8 \times (9 - 5) = 1$ $2 \times (9 - 5) \div 8 = 1$	$(2 \times 5 + 8) \div 9 = 2$ $(2 + 5 + 9) \div 8 = 2$	$5 - 2 \times (9 - 8) = 3$ $(5 - 2) \times (9 - 8) = 3$	$2 + 8 \div (9 - 5) = 4$ $2 \times 8 \div (9 - 5) = 4$	$(2 + 8 - 9) \times 5 = 5$ $(2 \times 8 + 9) \div 5 = 5$ $2 \times 9 - (5 + 8) = 5$
$2 + 5 + 8 - 9 = 6$	$2 + 5 \times (9 - 8) = 7$ $(2 + 5) \times (9 - 8) = 7$	$2 \times (5 + 8 - 9) = 8$ $2 + 5 + 9 - 8 = 8$	$2 \times 5 + 8 - 9 = 9$	$2 \times 5 \times (9 - 8) = 10$

2 5 9 9

$9 - 2 \times (9 - 5) = 1$	$2 + 5 \times (9 - 9) = 2$ $5 - (2 + 9 \div 9) = 2$	$5 - (2 + 9 - 9) = 3$ $5 - 2 \times 9 \div 9 = 3$	$2 \times 9 - (5 + 9) = 4$ $2 \times 9 - 5 - 9 = 4$ $(2 + 9 + 9) \div 5 = 4$	$2 \times (9 - 9) + 5 = 5$ $(2 - 9 \div 9) \times 5 = 5$
$2 + 5 - 9 \div 9 = 6$	$2 + 5 + 9 - 9 = 7$ $2 + 5 \times 9 \div 9 = 7$	$2 + 5 + 9 \div 9 = 8$ $2 \times (5 - 9 \div 9) = 8$	$2 \times 5 - 9 \div 9 = 9$ $(2 \times 5 - 9) \times 9 = 9$	$2 \times (5 + 9 - 9) = 10$ $2 \times 5 \times 9 \div 9 = 10$

2 6 6 6

$2 \times 6 \div (6 + 6) = 1$	$2 + 6 \times (6 - 6) = 2$ $6 \div (2 + 6 \div 6) = 2$	$(2 \times 6 + 6) \div 6 = 3$ $6 \div (2 + 6 - 6) = 3$ $6 - (2 + 6 \div 6) = 3$	$2 + (6 + 6) \div 6 = 4$ $2 \times (6 + 6) \div 6 = 4$	$6 - 2 + 6 \div 6 = 5$ $6 + 6 \div 6 - 2 = 5$ $6 \div 6 + 6 - 2 = 5$
$2 \times (6 - 6) + 6 = 6$ $(2 - 6 \div 6) \times 6 = 6$	$2 + 6 - 6 \div 6 = 7$	$2 + 6 + 6 - 6 = 8$ $2 + 6 \times 6 \div 6 = 8$	$2 + 6 + 6 \div 6 = 9$	$2 \times (6 - 6 \div 6) = 10$

2 6 6 7

$6 + 7 - 2 \times 6 = 1$	$2 + (6 - 6) \times 7 = 2$ $(2 + 6 + 6) \div 7 = 2$	$6 - 2 + 6 - 7 = 3$ $6 - (2 + 7 - 6) = 3$ $6 \div (2 \times (7 - 6)) = 3$	$6 - 2 \times (7 - 6) = 4$ $6 \div (2 + 7) \times 6 = 4$ $(6 - 2) \times (7 - 6) = 4$	$(2 - 7 \div 6) \times 6 = 5$ $6 - 2 + 7 - 6 = 5$
$(2 + 6 - 7) \times 6 = 6$	$2 + 6 + 6 - 7 = 7$ $2 \times (6 - 6) + 7 = 7$	$2 - 6 \div 6 + 7 = 8$ $2 + 6 \times (7 - 6) = 8$ $(2 + 6) \times (7 - 6) = 8$	$2 + 6 - 6 + 7 = 9$ $2 + 6 \div 6 \times 7 = 9$	$2 \times (6 + 6 - 7) = 10$ $2 + 6 \div 6 + 7 = 10$

2 6 6 8

$6 \div 2 + 6 - 8 = 1$ $(6 + 8) \div 2 - 6 = 1$	$2 + (6 - 6) \times 8 = 2$ $6 - 2 + 6 - 8 = 2$	$2 \times (6 + 6) \div 8 = 3$ $2 \div 8 \times (6 + 6) = 3$	$(2 + 6) \div (8 - 6) = 4$ $(2 - 8 \div 6) \times 6 = 4$ $2 \times 8 - (6 + 6) = 4$	$2 + 6 \div (8 - 6) = 5$ $6 - (2 + 6) \div 8 = 5$
$2 + 6 + 6 - 8 = 6$ $(2 + 6) \times 6 \div 8 = 6$	$(2 + 6) \div 8 + 6 = 7$ $2 \div (8 - 6) + 6 = 7$	$2 \times (6 + 6 - 8) = 8$ $(2 - 6 \div 6) \times 8 = 8$	$2 \times 6 \times 6 \div 8 = 9$	$2 + 6 - 6 + 8 = 10$ $2 + 6 \div 6 \times 8 = 10$

2 6 6 9

$2 \div 6 + 6 \div 9 = 1$ $2 \div 6 \times (9 - 6) = 1$ $2 \times (9 - 6) \div 6 = 1$	$2 + (6 - 6) \times 9 = 2$ $(2 \times 6 + 6) \div 9 = 2$	$(2 - 9 \div 6) \times 6 = 3$ $6 - 2 \div 6 \times 9 = 3$	$2 + 6 \div (9 - 6) = 4$ $2 \times 6 \div (9 - 6) = 4$	$2 + 6 + 6 - 9 = 5$ $2 \div 6 \times (6 + 9) = 5$
$2 + 6 \times 6 \div 9 = 6$ $2 \times (6 + 6 - 9) = 6$	$6 - 2 + 9 - 6 = 7$	$2 \times 6 \times 6 \div 9 = 8$	$2 \times (6 - 6) + 9 = 9$ $(2 - 6 \div 6) \times 9 = 9$ $2 \times 6 + 6 - 9 = 9$	$2 - 6 \div 6 + 9 = 10$ $2 + 9 - 6 \div 6 = 10$

2 6 7 7

$2 \times 7 - (6 + 7) = 1$ $2 \times 7 - 6 - 7 = 1$	$2 + 6 \times (7 - 7) = 2$ $6 \div (2 + 7 \div 7) = 2$	$6 \div (2 + 7 - 7) = 3$ $6 - (2 + 7 \div 7) = 3$ $6 \div (2 \times 7 \div 7) = 3$	$6 - (2 + 7 - 7) = 4$ $6 - 2 \times 7 \div 7 = 4$	$6 - 2 + 7 \div 7 = 5$ $6 + 7 \div 7 - 2 = 5$ $7 - 2 \times (7 - 6) = 5$
$2 \times (7 - 7) + 6 = 6$ $(2 - 7 \div 7) \times 6 = 6$	$2 + 6 - 7 \div 7 = 7$ $(2 + 6 - 7) \times 7 = 7$	$2 + 6 + 7 - 7 = 8$ $2 + 6 \times 7 \div 7 = 8$	$2 + 6 + 7 \div 7 = 9$ $2 + (7 - 6) \times 7 = 9$	$2 \times (6 - 7 \div 7) = 10$ $2 + 7 - 6 + 7 = 10$

2 6 7 8

$2 \div (6 + 8) \times 7 = 1$ $2 \times 7 \div (6 + 8) = 1$	$6 \div 2 + 7 - 8 = 2$ $6 \div (2 + 8 - 7) = 2$	$2 \times 8 - (6 + 7) = 3$ $2 \times 8 - 6 - 7 = 3$	$2 + (6 + 8) \div 7 = 4$ $2 \times (6 + 8) \div 7 = 4$	$2 \div 6 \times (7 + 8) = 5$ $2 \times (7 + 8) \div 6 = 5$
$(2 + 7 - 8) \times 6 = 6$	$2 + 6 + 7 - 8 = 7$ $(2 + 6) \times 7 \div 8 = 7$	$(2 + 6 - 7) \times 8 = 8$ $2 + 6 \times (8 - 7) = 8$ $(2 + 6) \times (8 - 7) = 8$	$2 + 6 - 7 + 8 = 9$	$2 \times (6 + 7 - 8) = 10$ $2 + (7 - 6) \times 8 = 10$

2 6 7 9

$6 \div 2 + 7 - 9 = 1$ $6 + 9 - 2 \times 7 = 1$ $6 \div (9 - 7) - 2 = 1$	$6 - 2 + 7 - 9 = 2$ $6 - (2 + 9 - 7) = 2$ $6 - 2 \times (9 - 7) = 2$	$(2 \times 6 + 9) \div 7 = 3$ $(2 + 7 + 9) \div 6 = 3$ $(2 + 7) \div (9 - 6) = 3$	$(2 + 6) \div (9 - 7) = 4$ $(6 + 9 - 7) \div 2 = 4$	$2 + 6 \div (9 - 7) = 5$ $2 \times 9 - (6 + 7) = 5$ $2 \times 9 - 6 - 7 = 5$
$2 + 6 + 7 - 9 = 6$	$(2 + 7) \div 9 + 6 = 7$ $2 \div (9 - 7) + 6 = 7$	$2 \times (6 + 7 - 9) = 8$ $(2 + 6 \times 9) \div 7 = 8$	$(2 + 6 - 7) \times 9 = 9$	$2 + 6 - 7 + 9 = 10$ $2 \times 6 + 7 - 9 = 10$

2688

$2 \div 8 + 6 \div 8 = 1$ $8 - (6 + 8) \div 2 = 1$	$2 + 6 \times (8 - 8) = 2$ $(2 + 6 + 8) \div 8 = 2$	$(2 + 8 + 8) \div 6 = 3$ $6 \div (2 + 8 - 8) = 3$	$(2 \times 8 + 8) \div 6 = 4$ $6 - (2 + 8 - 8) = 4$ $6 - 2 \times 8 \div 8 = 4$	$(2 + 8) \div (8 - 6) = 5$ $6 - 2 + 8 \div 8 = 5$ $6 + 8 \div 8 - 2 = 5$
$2 + 8 \div (8 - 6) = 6$ $2 \times (8 - 8) + 6 = 6$ $(2 - 8 \div 8) \times 6 = 6$	$2 + 6 - 8 \div 8 = 7$	$2 + 6 + 8 - 8 = 8$ $2 + 6 \times 8 \div 8 = 8$	$2 + 6 + 8 \div 8 = 9$ $(2 + 6) \div 8 + 8 = 9$	$2 \times (6 - 8 \div 8) = 10$ $6 - 8 \div 2 + 8 = 10$

2689

$2 \times 8 - (6 + 9) = 1$ $2 \times 8 - 6 - 9 = 1$	$6 \div 2 + 8 - 9 = 2$ $6 \div (2 + 9 - 8) = 2$	$(2 \times 9 + 6) \div 8 = 3$ $6 - 2 + 8 - 9 = 3$ $6 - (2 + 9 - 8) = 3$	$(2 - 9 \div 6) \times 8 = 4$ $2 \times 9 - (6 + 8) = 4$ $2 \times 9 - 6 - 8 = 4$	$6 - 2 + 9 - 8 = 5$
$(2 - 8 \div 6) \times 9 = 6$ $(2 + 8 - 9) \times 6 = 6$	$2 + 6 + 8 - 9 = 7$	$2 + 6 \times (9 - 8) = 8$ $(2 + 6) \times (9 - 8) = 8$	$2 + 6 - 8 + 9 = 9$ $(2 + 6) \div 8 \times 9 = 9$	$2 \times (6 + 8 - 9) = 10$ $(2 + 6) \div 8 + 9 = 10$

2699

$9 \div (9 - 6) - 2 = 1$ $(9 + 9) \div 6 - 2 = 1$	$2 + 6 \times (9 - 9) = 2$ $6 \div (2 + 9 \div 9) = 2$	$2 \times 9 - (6 + 9) = 3$ $2 \times 9 - 6 - 9 = 3$	$6 - (2 + 9 - 9) = 4$ $6 - 2 \times 9 \div 9 = 4$	$2 + 9 \div (9 - 6) = 5$ $2 + (9 + 9) \div 6 = 5$ $6 - 2 + 9 \div 9 = 5$
$2 \div 6 \times (9 + 9) = 6$ $2 \div (9 - 6) \times 9 = 6$	$2 + 6 - 9 \div 9 = 7$	$2 + 6 + 9 - 9 = 8$ $2 + 6 \times 9 \div 9 = 8$	$2 + 6 + 9 \div 9 = 9$	$2 \times (6 - 9 \div 9) = 10$ $9 - (2 + 6) + 9 = 10$

2777

$2 \times 7 \div (7 + 7) = 1$	$2 + 7 \times (7 - 7) = 2$ $7 \div (7 - 7 \div 2) = 2$	$(2 \times 7 + 7) \div 7 = 3$	$2 + (7 + 7) \div 7 = 4$ $2 \times (7 + 7) \div 7 = 4$	$7 - (2 + 7 - 7) = 5$ $7 - 2 \times 7 \div 7 = 5$
$7 - 2 + 7 \div 7 = 6$ $7 + 7 \div 7 - 2 = 6$ $7 \div 7 + 7 - 2 = 6$	$2 \times (7 - 7) + 7 = 7$ $(2 - 7 \div 7) \times 7 = 7$	$2 + 7 - 7 \div 7 = 8$	$2 + 7 + 7 - 7 = 9$ $2 + 7 \times 7 \div 7 = 9$	$2 + 7 + 7 \div 7 = 10$

2778

$7 + 8 - 2 \times 7 = 1$	$2 + (7 - 7) \times 8 = 2$ $(2 + 7 + 7) \div 8 = 2$	$(7 + 7 - 8) \div 2 = 3$ $(7 + 8) \div (7 - 2) = 3$ $8 \div 2 - 7 \div 7 = 3$	$7 \div (2 \times 7 \div 8) = 4$ $7 \div (2 \times 7) \times 8 = 4$ $7 - 2 + 7 - 8 = 4$	$7 - 2 \times (8 - 7) = 5$ $(7 - 2) \times (8 - 7) = 5$ $7 \div 7 + 8 \div 2 = 5$
$(2 - 8 \div 7) \times 7 = 6$ $7 - 2 + 8 - 7 = 6$	$(2 + 7 - 8) \times 7 = 7$	$2 + 7 + 7 - 8 = 8$ $2 \times (7 - 7) + 8 = 8$	$2 - 7 \div 7 + 8 = 9$ $2 + 7 \times (8 - 7) = 9$ $(2 + 7) \times (8 - 7) = 9$	$2 + 7 - 7 + 8 = 10$ $2 + 7 \div 7 \times 8 = 10$

2779

$(7 + 9) \div 2 - 7 = 1$ $9 \div 7 - 2 \div 7 = 1$	$2 + (7 - 7) \times 9 = 2$ $(7 - 2 + 9) \div 7 = 2$	$7 - 2 + 7 - 9 = 3$ $7 - (2 + 9 - 7) = 3$ $7 - 2 \times (9 - 7) = 3$	$2 \times 9 - (7 + 7) = 4$ $2 \times 9 - 7 - 7 = 4$	$(2 - 9 \div 7) \times 7 = 5$ $(7 \div 7 + 9) \div 2 = 5$
$7 - (2 + 7) \div 9 = 6$ $7 - 2 \div (9 - 7) = 6$	$2 + 7 + 7 - 9 = 7$ $(2 + 7) \times 7 \div 9 = 7$	$(2 + 7) \div 9 + 7 = 8$ $2 \div (9 - 7) + 7 = 8$	$2 \times (7 - 7) + 9 = 9$ $(2 - 7 \div 7) \times 9 = 9$	$2 \times (7 + 7 - 9) = 10$ $2 - 7 \div 7 + 9 = 10$

2788

$2 \times 8 - (7 + 8) = 1$ $2 \times 8 - 7 - 8 = 1$	$2 + 7 \times (8 - 8) = 2$	$7 + 8 \div 2 - 8 = 3$ $(7 - 8 \div 8) \div 2 = 3$	$7 - (2 + 8 \div 8) = 4$ $7 - 2 - 8 \div 8 = 4$	$7 - (2 + 8 - 8) = 5$ $7 - 2 \times 8 \div 8 = 5$
$7 - 2 + 8 \div 8 = 6$ $7 + 8 \div 8 - 2 = 6$ $8 - 2 \times (8 - 7) = 6$	$2 \times (8 - 8) + 7 = 7$ $(2 - 8 \div 8) \times 7 = 7$	$2 + 7 - 8 \div 8 = 8$ $(2 + 7 - 8) \times 8 = 8$	$2 + 7 + 8 - 8 = 9$ $2 + 7 \times 8 \div 8 = 9$	$2 + 7 + 8 \div 8 = 10$ $2 + (8 - 7) \times 8 = 10$

2789

$2 \div (7 + 9) \times 8 = 1$ $2 \times 8 \div (7 + 9) = 1$	$7 + 8 \div 2 - 9 = 2$ $7 \div (8 - 9 \div 2) = 2$	$2 \times 9 - (7 + 8) = 3$ $2 \times 9 - 7 - 8 = 3$	$2 + (7 + 9) \div 8 = 4$ $2 \times (7 + 9) \div 8 = 4$	$(2 + 8) \div (9 - 7) = 5$ $7 - 2 \times (9 - 8) = 5$ $(7 - 2) \times (9 - 8) = 5$
$2 + 8 \div (9 - 7) = 6$ $7 - 2 + 9 - 8 = 6$	$(2 + 8 - 9) \times 7 = 7$	$2 + 7 + 8 - 9 = 8$ $(2 + 7) \times 8 \div 9 = 8$	$(2 + 7 - 8) \times 9 = 9$ $2 + 7 \times (9 - 8) = 9$ $(2 + 7) \times (9 - 8) = 9$	$2 + 7 - 8 + 9 = 10$

2799

$$\begin{array}{l} 2 \div 9 + 7 \div 9 = 1 \\ 9 - (7 + 9) \div 2 = 1 \end{array}$$

$$\begin{array}{l} 2 + 7 \times (9 - 9) = 2 \\ (2 + 7 + 9) \div 9 = 2 \end{array}$$

$$(7 - 9 \div 9) \div 2 = 3$$

$$\begin{array}{l} 7 - (2 + 9 \div 9) = 4 \\ 7 - 2 - 9 \div 9 = 4 \end{array}$$

$$\begin{array}{l} 7 - (2 + 9 - 9) = 5 \\ 7 - 2 \times 9 \div 9 = 5 \end{array}$$

$$\begin{array}{l} 7 - 2 + 9 \div 9 = 6 \\ 7 + 9 \div 9 - 2 = 6 \\ 9 \div 9 + 7 - 2 = 6 \end{array}$$

$$\begin{array}{l} 2 \times (9 - 9) + 7 = 7 \\ (2 - 9 \div 9) \times 7 = 7 \end{array}$$

$$2 + 7 - 9 \div 9 = 8$$

$$\begin{array}{l} 2 + 7 + 9 - 9 = 9 \\ 2 + 7 \times 9 \div 9 = 9 \end{array}$$

$$\begin{array}{l} 2 + 7 + 9 \div 9 = 10 \\ (2 + 7) \div 9 + 9 = 10 \end{array}$$

2888

$$2 \times 8 \div (8 + 8) = 1$$

$$\begin{array}{l} 2 + 8 \times (8 - 8) = 2 \\ 8 \div (8 - 8 \div 2) = 2 \end{array}$$

$$\begin{array}{l} (2 \times 8 + 8) \div 8 = 3 \\ 8 \div 2 - 8 \div 8 = 3 \end{array}$$

$$\begin{array}{l} 2 + (8 + 8) \div 8 = 4 \\ 2 \times (8 + 8) \div 8 = 4 \end{array}$$

$$\begin{array}{l} 8 - (2 + 8 \div 8) = 5 \\ 8 - 2 - 8 \div 8 = 5 \\ 8 \div 2 + 8 \div 8 = 5 \end{array}$$

$$\begin{array}{l} 8 - (2 + 8 - 8) = 6 \\ 8 - 2 \times 8 \div 8 = 6 \end{array}$$

$$\begin{array}{l} 8 - 2 + 8 \div 8 = 7 \\ 8 + 8 \div 8 - 2 = 7 \\ 8 \div 8 + 8 - 2 = 7 \end{array}$$

$$\begin{array}{l} 2 \times (8 - 8) + 8 = 8 \\ (2 - 8 \div 8) \times 8 = 8 \end{array}$$

$$2 + 8 - 8 \div 8 = 9$$

$$\begin{array}{l} 2 + 8 + 8 - 8 = 10 \\ 2 + 8 \times 8 \div 8 = 10 \end{array}$$

2889

$$8 + 9 - 2 \times 8 = 1$$

$$\begin{array}{l} 2 + (8 - 8) \times 9 = 2 \\ (2 + 8 + 8) \div 9 = 2 \end{array}$$

$$\begin{array}{l} 8 \div 2 + 8 - 9 = 3 \\ 9 \div (2 + 8 \div 8) = 3 \end{array}$$

$$\begin{array}{l} 8 \div (2 \times (9 - 8)) = 4 \\ 8 \div 2 \times (9 - 8) = 4 \end{array}$$

$$\begin{array}{l} 8 - 2 + 8 - 9 = 5 \\ 8 - (2 + 9 - 8) = 5 \\ 8 \div 2 + 9 - 8 = 5 \end{array}$$

$$\begin{array}{l} 8 - 2 \times (9 - 8) = 6 \\ (8 - 2) \times (9 - 8) = 6 \end{array}$$

$$\begin{array}{l} (2 - 9 \div 8) \times 8 = 7 \\ 8 - 2 + 9 - 8 = 7 \end{array}$$

$$(2 + 8 - 9) \times 8 = 8$$

$$\begin{array}{l} 2 + 8 + 8 - 9 = 9 \\ 2 \times (8 - 8) + 9 = 9 \end{array}$$

$$\begin{array}{l} 2 - 8 \div 8 + 9 = 10 \\ 2 + 8 \times (9 - 8) = 10 \\ (2 + 8) \times (9 - 8) = 10 \end{array}$$

2899

$$\begin{array}{l} 2 \times 9 - (8 + 9) = 1 \\ 2 \times 9 - 8 - 9 = 1 \end{array}$$

$$2 + 8 \times (9 - 9) = 2$$

$$\begin{array}{l} 8 \div 2 - 9 \div 9 = 3 \\ 9 \div (2 + 9 - 8) = 3 \end{array}$$

$$\begin{array}{l} 8 \div (2 + 9 - 9) = 4 \\ 8 \div (2 \times 9 \div 9) = 4 \end{array}$$

$$\begin{array}{l} 8 - (2 + 9 \div 9) = 5 \\ 8 - 2 - 9 \div 9 = 5 \\ 8 \div 2 + 9 \div 9 = 5 \end{array}$$

$$\begin{array}{l} 8 - (2 + 9 - 9) = 6 \\ 8 - 2 \times 9 \div 9 = 6 \end{array}$$

$$\begin{array}{l} 8 - 2 + 9 \div 9 = 7 \\ 8 + 9 \div 9 - 2 = 7 \\ 9 - 2 \times (9 - 8) = 7 \end{array}$$

$$\begin{array}{l} 2 \times (9 - 9) + 8 = 8 \\ (2 - 9 \div 9) \times 8 = 8 \end{array}$$

$$\begin{array}{l} 2 + 8 - 9 \div 9 = 9 \\ (2 + 8 - 9) \times 9 = 9 \end{array}$$

$$\begin{array}{l} 2 + 8 + 9 - 9 = 10 \\ 2 + 8 \times 9 \div 9 = 10 \end{array}$$

2999

$$\begin{array}{l} 2 \times 9 \div (9 + 9) = 1 \\ 9 - (2 + 9 \div 9) = 6 \\ 9 - 2 - 9 \div 9 = 6 \end{array}$$

$$\begin{array}{l} 2 + 9 \times (9 - 9) = 2 \\ 9 \div (9 - 9 \div 2) = 2 \end{array}$$

$$\begin{array}{l} (2 \times 9 + 9) \div 9 = 3 \\ 9 \div (2 + 9 \div 9) = 3 \end{array}$$

$$\begin{array}{l} 2 + (9 + 9) \div 9 = 4 \\ 2 \times (9 + 9) \div 9 = 4 \end{array}$$

$$(9 + 9 \div 9) \div 2 = 5$$

$$\begin{array}{l} 9 - (2 + 9 \div 9) = 6 \\ 9 - 2 - 9 \div 9 = 6 \end{array}$$

$$\begin{array}{l} 9 - (2 + 9 - 9) = 7 \\ 9 - 2 \times 9 \div 9 = 7 \end{array}$$

$$\begin{array}{l} 9 - 2 + 9 \div 9 = 8 \\ 9 + 9 \div 9 - 2 = 8 \\ 9 \div 9 + 9 - 2 = 8 \end{array}$$

$$\begin{array}{l} 2 \times (9 - 9) + 9 = 9 \\ (2 - 9 \div 9) \times 9 = 9 \end{array}$$

$$2 + 9 - 9 \div 9 = 10$$

3333

$$\begin{array}{l} 3 \div (3 + 3 - 3) = 1 \\ 3 \times 3 \div (3 \times 3) = 1 \\ 3 \div (3 \times 3 \div 3) = 1 \end{array}$$

$$\begin{array}{l} 3 \div 3 + 3 \div 3 = 2 \\ (3 \times 3 - 3) \div 3 = 2 \end{array}$$

$$\begin{array}{l} 3 + 3 \times (3 - 3) = 3 \\ (3 + 3 + 3) \div 3 = 3 \end{array}$$

$$(3 + 3 \times 3) \div 3 = 4$$

$$\begin{array}{l} 3 + 3 - 3 \div 3 = 5 \\ 3 + (3 + 3) \div 3 = 5 \end{array}$$

$$\begin{array}{l} 3 + 3 + 3 - 3 = 6 \\ 3 \times (3 - 3 \div 3) = 6 \\ 3 + 3 \times 3 \div 3 = 6 \end{array}$$

$$3 + 3 + 3 \div 3 = 7$$

$$3 \times 3 - 3 \div 3 = 8$$

$$\begin{array}{l} 3 \times (3 + 3 - 3) = 9 \\ 3 \times 3 \times 3 \div 3 = 9 \end{array}$$

$$\begin{array}{l} 3 \times 3 + 3 \div 3 = 10 \\ 3 \div 3 + 3 \times 3 = 10 \end{array}$$

3334

$$\begin{array}{l} (3 + 3 \div 3) \div 4 = 1 \\ 3 \div (3 \times (4 - 3)) = 1 \end{array}$$

$$\begin{array}{l} 3 \div (3 + 3) \times 4 = 2 \\ 3 \times 3 - (3 + 4) = 2 \\ 3 \times 3 - 3 - 4 = 2 \end{array}$$

$$\begin{array}{l} 3 + (3 - 3) \times 4 = 3 \\ (3 + 3 \times 3) \div 4 = 3 \end{array}$$

$$3 \times (3 - 3) + 4 = 4$$

$$3 + 3 + 3 - 4 = 5$$

$$\begin{array}{l} 3 \times (3 + 3 - 4) = 6 \\ 3 - 3 \div 3 + 4 = 6 \\ (3 + 3) \div 3 + 4 = 6 \end{array}$$

$$\begin{array}{l} 3 + 3 - 3 + 4 = 7 \\ 3 + 3 \div 3 \times 4 = 7 \end{array}$$

$$\begin{array}{l} 3 + 3 \times 3 - 4 = 8 \\ 3 + 3 \div 3 + 4 = 8 \end{array}$$

$$\begin{array}{l} 3 \times 3 \times (4 - 3) = 9 \\ 3 \times (4 - 3 \div 3) = 9 \end{array}$$

$$3 \times 3 - 3 + 4 = 10$$

3335

$$\begin{array}{l} 3 \times 3 - (3 + 5) = 1 \\ 3 \times 3 - 3 - 5 = 1 \end{array}$$

$$\begin{array}{l} 3 - 3 + 5 - 3 = 2 \\ 3 \div 3 \times (5 - 3) = 2 \end{array}$$

$$\begin{array}{l} 3 \times (3 + 3 - 5) = 3 \\ 3 + (3 - 3) \times 5 = 3 \\ (3 + 3) \div (5 - 3) = 3 \end{array}$$

$$3 + 3 + 3 - 5 = 4$$

$$3 \times (3 - 3) + 5 = 5$$

$$\begin{array}{l} (3 + 3 \times 5) \div 3 = 6 \\ 3 \times 5 - 3 \times 3 = 6 \end{array}$$

$$\begin{array}{l} 3 + 3 \times 3 - 5 = 7 \\ 3 - 3 \div 3 + 5 = 7 \end{array}$$

$$\begin{array}{l} 3 + 3 - 3 + 5 = 8 \\ 3 + 3 \div 3 \times 5 = 8 \end{array}$$

$$3 + 3 \div 3 + 5 = 9$$

$$\begin{array}{l} (3 - 3 \div 3) \times 5 = 10 \\ (3 + 3) \div 3 \times 5 = 10 \end{array}$$

3 3 3 6

$3 \times 3 \div (3 + 6) = 1$ $3 \div (3 \times 3 - 6) = 1$	$3 \div (3 \times 3 \div 6) = 2$ $3 - (3 + 3) \div 6 = 2$ $(3 + 3 \times 3) \div 6 = 2$	$3 + 3 + 3 - 6 = 3$ $3 \times (3 + 3) \div 6 = 3$ $3 + (3 - 3) \times 6 = 3$	$3 + (3 + 3) \div 6 = 4$ $3 + 3 \div (6 - 3) = 4$ $3 + 3 - 6 \div 3 = 4$	$(3 \times 3 + 6) \div 3 = 5$
$3 + 3 \times 3 - 6 = 6$ $3 \times (3 - 3) + 6 = 6$	$(3 + 3 \times 6) \div 3 = 7$ $3 \times 3 - 6 \div 3 = 7$	$3 - 3 \div 3 + 6 = 8$ $(3 + 3) \div 3 + 6 = 8$ $3 + 3 + 6 \div 3 = 8$	$3 + 3 - 3 + 6 = 9$ $3 \times (3 \times 3 - 6) = 9$ $3 + 3 \div 3 \times 6 = 9$	$3 + 3 \div 3 + 6 = 10$

3 3 3 7

$3 + 7 - 3 \times 3 = 1$	$3 + 3 + 3 - 7 = 2$ $3 \times (3 - 7 \div 3) = 2$	$3 + (3 - 3) \times 7 = 3$ $3 \times (7 - (3 + 3)) = 3$	$3 - 3 + 7 - 3 = 4$ $3 \div 3 \times (7 - 3) = 4$	$3 + 3 \times 3 - 7 = 5$ $3 \times 3 + 3 - 7 = 5$
$3 \times (3 \times 3 - 7) = 6$ $(3 \times 7 - 3) \div 3 = 6$	$3 \times (3 - 3) + 7 = 7$	$(3 + 3 \times 7) \div 3 = 8$	$3 - 3 \div 3 + 7 = 9$ $(3 + 3) \div 3 + 7 = 9$	$3 + 3 - 3 + 7 = 10$ $3 + 3 \div 3 \times 7 = 10$

3 3 3 8

$3 + 3 + 3 - 8 = 1$ $3 \times (3 - 8 \div 3) = 1$	$3 + 8 - 3 \times 3 = 2$ $8 \div (3 + 3 \div 3) = 2$	$3 + (3 - 3) \times 8 = 3$ $3 \times (3 \times 3 - 8) = 3$	$3 + 3 \times 3 - 8 = 4$ $3 \div (3 + 3) \times 8 = 4$	$3 - 3 + 8 - 3 = 5$ $3 \div 3 \times (8 - 3) = 5$
$3 \div 3 + 8 - 3 = 6$ $3 \times (8 - (3 + 3)) = 6$	$(3 \times 8 - 3) \div 3 = 7$	$3 \times (3 - 3) + 8 = 8$	$3 \div (3 - 8 \div 3) = 9$ $(3 + 3 \times 8) \div 3 = 9$	$3 \times (3 + 3) - 8 = 10$ $3 - 3 \div 3 + 8 = 10$

3 3 3 9

$(3 + 3 + 3) \div 9 = 1$ $(3 + 3) \div (9 - 3) = 1$	$3 - 3 \times 3 \div 9 = 2$ $3 \times (3 + 3) \div 9 = 2$	$3 \times 3 \times 3 \div 9 = 3$ $3 + (3 - 3) \times 9 = 3$ $3 + 3 \times 3 - 9 = 3$	$3 + 3 \times 3 \div 9 = 4$	$(3 + 3 + 9) \div 3 = 5$ $3 + (9 - 3) \div 3 = 5$
$3 - 3 + 9 - 3 = 6$ $3 \times 3 - 9 \div 3 = 6$ $3 \div 3 \times (9 - 3) = 6$	$3 + (3 + 9) \div 3 = 7$ $3 \div 3 + 9 - 3 = 7$	$3 \times (3 - 3 \div 9) = 8$ $(3 \times 9 - 3) \div 3 = 8$	$3 \times (3 + 3) - 9 = 9$	$3 \times (3 + 3 \div 9) = 10$ $(3 + 3 \times 9) \div 3 = 10$

3 3 4 4

$3 \div (3 + 4 - 4) = 1$ $3 \div (3 \times 4 \div 4) = 1$	$3 \div 3 + 4 \div 4 = 2$ $4 \div (3 + 3 - 4) = 2$ $4 - 3 + 4 - 3 = 2$	$3 + 3 \times (4 - 4) = 3$	$(3 - 3) \times 4 + 4 = 4$	$3 + 3 - 4 \div 4 = 5$ $3 \times 4 - (3 + 4) = 5$
$3 + 3 + 4 - 4 = 6$ $3 \times (3 - 4 \div 4) = 6$ $3 + 3 \times 4 \div 4 = 6$	$3 + 3 + 4 \div 4 = 7$ $3 + (4 - 3) \times 4 = 7$	$3 - 3 + 4 + 4 = 8$ $3 \times 3 - 4 \div 4 = 8$ $3 \div 3 \times (4 + 4) = 8$	$3 \times (3 + 4 - 4) = 9$ $3 \times 3 \times 4 \div 4 = 9$	$3 \times 3 + 4 \div 4 = 10$ $4 \times 4 - (3 + 3) = 10$ $4 \div 4 + 3 \times 3 = 10$

3 3 4 5

$3 \times 3 \div (4 + 5) = 1$ $(3 \times 3 - 4) \div 5 = 1$	$(3 + 3 + 4) \div 5 = 2$ $3 \div 3 + 5 - 4 = 2$	$(3 + 3 \times 4) \div 5 = 3$	$(3 + 3 - 5) \times 4 = 4$ $(3 - 3) \times 5 + 4 = 4$ $3 \times 4 - (3 + 5) = 4$	$3 + 3 + 4 - 5 = 5$
$3 \times (3 + 4 - 5) = 6$ $3 + 3 \times (5 - 4) = 6$ $3 \times (3 + 5) \div 4 = 6$	$3 + 3 - 4 + 5 = 7$	$3 \times 3 + 4 - 5 = 8$ $3 + (4 - 3) \times 5 = 8$	$3 - 3 + 4 + 5 = 9$ $3 \div 3 \times (4 + 5) = 9$	$3 + 3 \times 4 - 5 = 10$ $3 \div 3 + 4 + 5 = 10$

3 3 4 6

$3 - 3 \times 4 \div 6 = 1$	$3 \div (3 - 6 \div 4) = 2$ $3 - 3 + 6 - 4 = 2$ $3 \div 3 \times (6 - 4) = 2$	$3 \times (3 + 4 - 6) = 3$ $(3 + 3 + 6) \div 4 = 3$ $(3 + 3) \div (6 - 4) = 3$	$3 + 3 + 4 - 6 = 4$ $(3 + 3) \times 4 \div 6 = 4$	$3 + 3 \times 4 \div 6 = 5$
$3 \times 3 \times 4 \div 6 = 6$	$3 \times (3 - 4 \div 6) = 7$ $3 \times 3 + 4 - 6 = 7$	$3 + 3 - 4 + 6 = 8$	$3 + 3 \times 4 - 6 = 9$ $(3 + 3) \div 4 \times 6 = 9$	$3 - 3 + 4 + 6 = 10$ $3 \div 3 \times (4 + 6) = 10$

3 3 4 7

$7 \div 3 - 4 \div 3 = 1$	$3 - (3 + 4) \div 7 = 2$ $3 - 3 \div (7 - 4) = 2$ $(3 + 3) \div (7 - 4) = 2$	$3 + 3 + 4 - 7 = 3$ $3 \times (3 + 4) \div 7 = 3$	$3 + (3 + 4) \div 7 = 4$ $3 + 3 \div (7 - 4) = 4$ $3 \div 3 + 7 - 4 = 4$	$3 \times (4 - 7 \div 3) = 5$ $4 - 3 + 7 - 3 = 5$
$3 \times 3 + 4 - 7 = 6$ $(3 + 3 \times 7) \div 4 = 6$	$(3 - 3) \times 4 + 7 = 7$	$3 + 3 \times 4 - 7 = 8$ $(3 \times 3 - 7) \times 4 = 8$	$3 + 3 - 4 + 7 = 9$	$3 + (4 - 3) \times 7 = 10$

3348

$3 \times 4 - (3 + 8) = 1$ $3 \times 4 - 3 - 8 = 1$	$3 \div (3 \times 4 \div 8) = 2$ $3 + 3 + 4 - 8 = 2$ $3 \div (3 \times 4) \times 8 = 2$	$(3 + 3) \times 4 \div 8 = 3$ $3 \times (3 - 8 \div 4) = 3$	$3 + 3 - 8 \div 4 = 4$ $3 - 3 + 8 - 4 = 4$	$3 \times 3 + 4 - 8 = 5$ $3 \div 3 + 8 - 4 = 5$
$4 - 3 + 8 - 3 = 6$ $4 + 8 - (3 + 3) = 6$	$3 + 3 \times 4 - 8 = 7$ $3 \times 3 - 8 \div 4 = 7$	$(3 - 3) \times 4 + 8 = 8$ $3 + 3 + 8 \div 4 = 8$	$3 + 3 \div 4 \times 8 = 9$ $3 + 3 \times 8 \div 4 = 9$	$3 + 3 - 4 + 8 = 10$

3349

$3 \div (3 \times 4 - 9) = 1$ $3 + 3 + 4 - 9 = 1$	$3 \times 4 \div (9 - 3) = 2$	$3 \times (4 - 9 \div 3) = 3$ $4 - 3 \times 3 \div 9 = 3$	$3 \times 3 \times 4 \div 9 = 4$	$3 \times 3 \div 9 + 4 = 5$ $3 - 3 + 9 - 4 = 5$ $3 \div 3 \times (9 - 4) = 5$
$3 + 3 \times 4 - 9 = 6$ $3 + (3 + 9) \div 4 = 6$	$(3 \times 4 + 9) \div 3 = 7$ $4 - 3 + 9 - 3 = 7$	$(3 + 9) \div 3 + 4 = 8$ $4 \div 3 \times (9 - 3) = 8$	$3 \times (3 \times 4 - 9) = 9$ $(3 - 3) \times 4 + 9 = 9$ $3 \times (3 + 9) \div 4 = 9$	$3 + 4 + 9 \div 3 = 10$

3355

$3 \div (3 + 5 - 5) = 1$ $3 \div (3 \times 5 \div 5) = 1$	$3 \div 3 + 5 \div 5 = 2$	$3 + 3 \times (5 - 5) = 3$	$(3 + 5) \div (5 - 3) = 4$ $5 - 3 + 5 - 3 = 4$	$3 + 3 - 5 \div 5 = 5$ $(3 + 3 - 5) \times 5 = 5$
$3 + 3 + 5 - 5 = 6$ $3 \times (3 - 5 \div 5) = 6$ $3 + 3 \times 5 \div 5 = 6$	$3 + 3 + 5 \div 5 = 7$ $3 \times 5 - (3 + 5) = 7$	$3 \times 3 - 5 \div 5 = 8$	$3 \times (3 + 5 - 5) = 9$ $3 \times 3 \times 5 \div 5 = 9$	$3 - 3 + 5 + 5 = 10$ $3 \times 3 + 5 \div 5 = 10$ $3 \div 3 \times (5 + 5) = 10$

3356

$(3 \div 3 + 5) \div 6 = 1$ $3 \div (3 \times (6 - 5)) = 1$ $3 - 3 + 6 - 5 = 1$	$3 \div 3 + 6 - 5 = 2$ $(3 \times 5 - 3) \div 6 = 2$	$(3 + 3 \times 5) \div 6 = 3$	$3 \times (3 + 5) \div 6 = 4$	$3 + 3 + 5 - 6 = 5$ $(3 + 3) \times 5 \div 6 = 5$
$3 \times (3 + 5 - 6) = 6$ $(3 - 3) \times 5 + 6 = 6$	$3 + 3 - 5 + 6 = 7$	$3 \times 3 + 5 - 6 = 8$ $(3 - 5 \div 3) \times 6 = 8$	$3 \times 3 \times (6 - 5) = 9$ $3 \div (5 - 3) \times 6 = 9$	$3 \times 3 - 5 + 6 = 10$

3357

$3 - (3 + 7) \div 5 = 1$	$(3 \times 3 + 5) \div 7 = 2$ $3 - 3 + 7 - 5 = 2$ $3 \div 3 \times (7 - 5) = 2$	$3 \times (3 + 5 - 7) = 3$ $(3 + 3) \div (7 - 5) = 3$ $3 \div 3 + 7 - 5 = 3$	$3 + 3 + 5 - 7 = 4$	$3 + (3 + 7) \div 5 = 5$ $(3 - 3) \times 7 + 5 = 5$ $3 \times 5 - (3 + 7) = 5$
$3 \times (3 + 7) \div 5 = 6$ $3 \div 5 \times (3 + 7) = 6$	$(3 + 3 - 5) \times 7 = 7$ $(3 - 3) \times 5 + 7 = 7$ $3 \times 3 + 5 - 7 = 7$	$3 + 3 - 5 + 7 = 8$	$3 + 3 \times (7 - 5) = 9$	$(3 \times 3 - 7) \times 5 = 10$

3358

$8 \div 3 - 5 \div 3 = 1$ $8 \div (5 - 3) - 3 = 1$	$3 - (3 + 5) \div 8 = 2$ $3 - 3 \div (8 - 5) = 2$ $(3 + 3) \div (8 - 5) = 2$	$3 + 3 + 5 - 8 = 3$ $3 \times (3 + 5) \div 8 = 3$	$3 + (3 + 5) \div 8 = 4$ $3 + 3 \div (8 - 5) = 4$ $3 \div 3 + 8 - 5 = 4$	$(3 - 3) \times 8 + 5 = 5$ $(3 \times 3 - 8) \times 5 = 5$
$3 \times 3 + 5 - 8 = 6$ $3 \times (8 - 5) - 3 = 6$	$3 \times (5 - 8 \div 3) = 7$ $3 + 8 \div (5 - 3) = 7$ $5 - 3 + 8 - 3 = 7$	$(3 + 3 - 5) \times 8 = 8$ $(3 - 3) \times 5 + 8 = 8$	$3 + 3 - 5 + 8 = 9$	$3 + 3 \times 5 - 8 = 10$

3359

$3 + 9 \div 3 - 5 = 1$ $5 - (3 + 9) \div 3 = 1$	$3 + 3 + 5 - 9 = 2$ $(3 + 3 \times 5) \div 9 = 2$	$(3 + 3 + 9) \div 5 = 3$ $3 \times 5 - (3 + 9) = 3$	$3 - 3 + 9 - 5 = 4$ $3 \div 3 \times (9 - 5) = 4$	$3 \times 3 \times 5 \div 9 = 5$
$(3 + 3 \times 9) \div 5 = 6$ $3 \times 3 \div 9 + 5 = 6$	$5 + (9 - 3) \div 3 = 7$	$(3 \times 5 + 9) \div 3 = 8$ $5 - 3 + 9 - 3 = 8$	$3 + 3 \times 5 - 9 = 9$ $(3 + 3 - 5) \times 9 = 9$	$3 + 3 - 5 + 9 = 10$

3366

$3 \div (3 + 6 - 6) = 1$ $3 \div (3 \times 6 \div 6) = 1$	$(3 + 3 + 6) \div 6 = 2$ $3 \div (3 + 6) \times 6 = 2$ $3 \div 3 + 6 \div 6 = 2$	$3 + 3 \times (6 - 6) = 3$ $3 \times (6 - 3) - 6 = 3$	$(3 \times 6 - 6) \div 3 = 4$ $6 \div (3 \times 3 \div 6) = 4$ $6 \div (3 \times 3) \times 6 = 4$	$3 + 3 - 6 \div 6 = 5$ $3 + 6 \div (6 - 3) = 5$
$3 + 3 + 6 - 6 = 6$ $3 \times (3 - 6 \div 6) = 6$ $3 + 3 \times 6 \div 6 = 6$	$3 + 3 + 6 \div 6 = 7$ $(3 + 3) \div 6 + 6 = 7$	$3 \times 3 - 6 \div 6 = 8$ $(3 \times 6 + 6) \div 3 = 8$	$3 \times (3 + 6 - 6) = 9$ $3 \times 3 \times 6 \div 6 = 9$	$3 \times 3 + 6 \div 6 = 10$ $6 \div 6 + 3 \times 3 = 10$

3367

$(3 \div 3 + 6) \div 7 = 1$ $3 \div (3 \times (7 - 6)) = 1$ $3 - 3 + 7 - 6 = 1$	$3 \div 3 + 7 - 6 = 2$ $3 \times (6 - 3) - 7 = 2$	$(3 + 3 \times 6) \div 7 = 3$	$(3 + 3 \times 7) \div 6 = 4$ $(3 - 7 \div 3) \times 6 = 4$	$3 + 3 + 6 - 7 = 5$
$3 \times (3 + 6 - 7) = 6$ $3 + 3 \times (7 - 6) = 6$ $(3 + 3) \times (7 - 6) = 6$	$3 + 3 - 6 + 7 = 7$ $(3 + 3) \div 6 \times 7 = 7$ $(3 - 3) \times 6 + 7 = 7$	$(3 + 3) \div 6 + 7 = 8$ $3 \times 3 + 6 - 7 = 8$	$3 \times 3 \times (7 - 6) = 9$	$3 \times 3 - 6 + 7 = 10$

3368

$3 \times (6 - 3) - 8 = 1$ $3 \div 6 \times 8 - 3 = 1$	$3 - 3 + 8 - 6 = 2$ $3 \div 3 \times (8 - 6) = 2$	$3 \times (3 + 6 - 8) = 3$ $(3 + 3) \div (8 - 6) = 3$ $3 \div 3 + 8 - 6 = 3$	$3 + 3 + 6 - 8 = 4$	$3 \times (3 - 8 \div 6) = 5$ $6 + 8 - 3 \times 3 = 5$
$(3 - 3) \times 8 + 6 = 6$ $(3 \times 3 - 8) \times 6 = 6$ $3 \times 8 - 3 \times 6 = 6$	$3 + 3 \div 6 \times 8 = 7$ $3 \times 3 + 6 - 8 = 7$	$3 + 3 - 6 + 8 = 8$ $(3 + 3) \div 6 \times 8 = 8$ $(3 - 3) \times 6 + 8 = 8$	$(3 + 3) \div 6 + 8 = 9$ $3 + 3 \times (8 - 6) = 9$ $3 \div (6 - 3) + 8 = 9$	$3 \times (6 - 8 \div 3) = 10$ $(3 \times 8 + 6) \div 3 = 10$

3369

$3 - 3 \times 6 \div 9 = 1$ $3 - (3 + 9) \div 6 = 1$	$3 - (3 + 6) \div 9 = 2$ $3 - 3 \div (9 - 6) = 2$ $3 \div (3 - 9 \div 6) = 2$	$3 + 3 + 6 - 9 = 3$ $3 \times (3 + 6) \div 9 = 3$	$3 + (3 + 6) \div 9 = 4$ $(3 + 3) \times 6 \div 9 = 4$	$3 + 3 \times 6 \div 9 = 5$ $3 + (3 + 9) \div 6 = 5$
$3 \times 3 \times 6 \div 9 = 6$	$3 \times (3 - 6 \div 9) = 7$ $3 \times 3 \div 9 + 6 = 7$	$3 + (6 + 9) \div 3 = 8$ $6 \div 3 + 9 - 3 = 8$	$3 + 3 - 6 + 9 = 9$ $(3 + 3) \div 6 \times 9 = 9$ $(3 - 3) \times 6 + 9 = 9$	$(3 + 3) \div 6 + 9 = 10$ $3 \div (6 - 3) + 9 = 10$ $3 - 6 \div 3 + 9 = 10$

3378

$(3 \div 3 + 7) \div 8 = 1$ $3 \div (3 \times (8 - 7)) = 1$ $3 - 3 + 8 - 7 = 1$	$(3 \times 3 + 7) \div 8 = 2$ $(3 + 3 + 8) \div 7 = 2$ $3 \div 3 + 8 - 7 = 2$	$(3 + 3 \times 7) \div 8 = 3$	$3 \times (7 - 3) - 8 = 4$ $(7 - 3 + 8) \div 3 = 4$	$3 + 3 + 7 - 8 = 5$
$3 \times (3 + 7 - 8) = 6$ $3 + 3 \times (8 - 7) = 6$ $(3 + 3) \times (8 - 7) = 6$	$3 + 3 + 8 - 7 = 7$	$(3 - 3) \times 7 + 8 = 8$ $3 \times 3 + 7 - 8 = 8$	$3 \times 3 \times (8 - 7) = 9$	$3 \times 3 - 7 + 8 = 10$

3379

$7 - (3 + 9 \div 3) = 1$ $7 - 3 - 9 \div 3 = 1$	$3 - 3 + 9 - 7 = 2$ $3 \div 3 \times (9 - 7) = 2$	$3 \times (3 + 7 - 9) = 3$ $(3 + 3) \div (9 - 7) = 3$ $3 \div 3 + 9 - 7 = 3$	$3 + 3 + 7 - 9 = 4$	$7 - (9 - 3) \div 3 = 5$
$(3 - 7 \div 3) \times 9 = 6$ $3 \times 9 - 3 \times 7 = 6$	$3 \times 3 \times 7 \div 9 = 7$	$3 + 3 + 9 - 7 = 8$	$(3 - 3) \times 7 + 9 = 9$ $3 \times 7 - (3 + 9) = 9$	$(3 \times 7 + 9) \div 3 = 10$ $7 - (3 + 3) + 9 = 10$ $7 - 3 - 3 + 9 = 10$

3388

$3 \div (3 + 8 - 8) = 1$ $3 \div (3 \times 8 \div 8) = 1$	$3 \div 3 + 8 \div 8 = 2$	$3 + 3 \times (8 - 8) = 3$	$8 \div (8 - (3 + 3)) = 4$ $8 \div (8 - 3 - 3) = 4$	$3 + 3 - 8 \div 8 = 5$
$3 + 3 + 8 - 8 = 6$ $3 \times (3 - 8 \div 8) = 6$ $3 + 3 \times 8 \div 8 = 6$	$3 + 3 + 8 \div 8 = 7$ $3 \times (8 - 3) - 8 = 7$	$3 \times 3 - 8 \div 8 = 8$ $(3 - 3) \times 8 + 8 = 8$ $(3 \times 3 - 8) \times 8 = 8$	$3 \times (3 + 8 - 8) = 9$ $3 \times 3 \times 8 \div 8 = 9$	$3 \times 3 + 8 \div 8 = 10$ $8 - (3 + 3) + 8 = 10$ $8 - 3 - 3 + 8 = 10$

3389

$(3 \div 3 + 8) \div 9 = 1$ $3 \div (3 \times (9 - 8)) = 1$ $3 - 3 + 9 - 8 = 1$	$3 \div (3 + 9) \times 8 = 2$ $3 \div 3 + 9 - 8 = 2$	$(3 + 3 \times 8) \div 9 = 3$ $(3 - 8 \div 3) \times 9 = 3$	$3 \times 8 \div (9 - 3) = 4$	$3 + 3 + 8 - 9 = 5$
$3 \times (3 + 8 - 9) = 6$ $3 + 3 \times (9 - 8) = 6$ $(3 + 3) \times (9 - 8) = 6$	$3 + 3 + 9 - 8 = 7$	$3 \times 3 \times 8 \div 9 = 8$	$(3 - 3) \times 8 + 9 = 9$ $(3 \times 3 - 8) \times 9 = 9$ $3 \times 3 \times (9 - 8) = 9$	$3 \times 3 - 8 + 9 = 10$

3399

$3 \div (3 + 9 - 9) = 1$ $3 \div (3 \times 9 \div 9) = 1$	$3 \div 3 + 9 \div 9 = 2$ $(3 \times 3 + 9) \div 9 = 2$ $3 \times (9 - 3) \div 9 = 2$	$3 + 3 \times (9 - 9) = 3$	$3 \times (3 + 9) \div 9 = 4$	$3 + 3 - 9 \div 9 = 5$
$3 + 3 + 9 - 9 = 6$ $3 \times (3 - 9 \div 9) = 6$ $3 + 3 \times 9 \div 9 = 6$	$3 + 3 + 9 \div 9 = 7$	$3 \times 3 - 9 \div 9 = 8$ $9 - 3 \times 3 \div 9 = 8$	$3 \times (3 + 9 - 9) = 9$ $3 \times 3 \times 9 \div 9 = 9$	$3 \times 3 \div 9 + 9 = 10$ $3 \times 3 + 9 \div 9 = 10$

3 4 4 5

$3 \div (4 + 4 - 5) = 1$ $(3 + 5 - 4) \div 4 = 1$ $(3 + 5) \div (4 + 4) = 1$	$3 \div 4 + 5 \div 4 = 2$ $4 \div (3 + 4 - 5) = 2$ $4 - (3 + 5) \div 4 = 2$	$3 + (4 - 4) \times 5 = 3$ $3 \times 4 - (4 + 5) = 3$ $3 \times 4 - 4 - 5 = 3$	$(4 + 4) \div (5 - 3) = 4$ $4 \times (5 - 3) - 4 = 4$	$3 \times (4 - 4) + 5 = 5$
$3 + 4 + 4 - 5 = 6$	$3 - 4 \div 4 + 5 = 7$ $3 + 4 \times (5 - 4) = 7$ $(3 + 4) \times (5 - 4) = 7$	$3 + 4 - 4 + 5 = 8$ $3 + 4 \div 4 \times 5 = 8$	$3 \times (4 + 4 - 5) = 9$ $3 + 4 \div 4 + 5 = 9$	$(3 - 4 \div 4) \times 5 = 10$ $4 - 3 + 4 + 5 = 10$

3 4 4 6

$3 - 4 \div (6 - 4) = 1$ $3 + 6 - 4 - 4 = 1$ $3 + 6 - (4 + 4) = 1$	$3 \times 4 - (4 + 6) = 2$ $3 \times 4 - 4 - 6 = 2$	$3 + (4 - 4) \times 6 = 3$ $4 - 3 + 6 - 4 = 3$	$3 \times (4 + 4) \div 6 = 4$ $(3 + 4 - 6) \times 4 = 4$	$3 + 4 + 4 - 6 = 5$
$3 \times (4 + 4 - 6) = 6$ $3 \times 4 \div (6 - 4) = 6$	$4 \times 4 - (3 + 6) = 7$ $4 \times 4 - 3 - 6 = 7$	$3 \times 4 \times 4 \div 6 = 8$	$3 + 4 - 4 + 6 = 9$ $3 + 4 \div 4 \times 6 = 9$	$3 \times (4 - 4 \div 6) = 10$ $3 + 4 \div 4 + 6 = 10$

3 4 4 7

$3 \times 4 - (4 + 7) = 1$ $3 \times 4 - 4 - 7 = 1$	$3 + 7 - 4 - 4 = 2$ $3 + 7 - (4 + 4) = 2$	$3 \times (4 + 4 - 7) = 3$ $3 + (4 - 4) \times 7 = 3$	$3 + 4 + 4 - 7 = 4$ $(3 + 4) \times 4 \div 7 = 4$	$(3 + 4) \div 7 + 4 = 5$ $3 \times (7 - 4) - 4 = 5$ $3 \div (7 - 4) + 4 = 5$
$4 \times 4 - (3 + 7) = 6$ $4 \times 4 - 3 - 7 = 6$	$3 \times (4 - 4) + 7 = 7$	$(4 \times 7 - 4) \div 3 = 8$	$3 - 4 \div 4 + 7 = 9$ $3 \times 4 + 4 - 7 = 9$	$3 + 4 - 4 + 7 = 10$ $3 + 4 \div 4 \times 7 = 10$

3 4 4 8

$3 \times 4 \div (4 + 8) = 1$ $3 - 4 \times 4 \div 8 = 1$	$3 - (4 + 4) \div 8 = 2$ $(3 \times 4 + 4) \div 8 = 2$ $3 - 4 \div (8 - 4) = 2$	$3 + 4 + 4 - 8 = 3$ $3 \times (4 + 4) \div 8 = 3$ $3 + (4 - 4) \times 8 = 3$	$3 + (4 + 4) \div 8 = 4$ $3 + 4 \div (8 - 4) = 4$	$3 + 4 \times 4 \div 8 = 5$ $3 + 4 - 8 \div 4 = 5$
$3 \times 4 \times 4 \div 8 = 6$	$(3 \times 8 + 4) \div 4 = 7$	$3 \times (4 - 4) + 8 = 8$ $3 \times 4 + 4 - 8 = 8$	$3 \div 4 \times (4 + 8) = 9$ $3 + 4 + 8 \div 4 = 9$ $3 \times (4 + 8) \div 4 = 9$	$3 - 4 \div 4 + 8 = 10$ $(3 - 4 \div 8) \times 4 = 10$ $3 \times 4 - 8 \div 4 = 10$

3 4 4 9

$4 - (3 + 9) \div 4 = 1$ $4 + 9 - 3 \times 4 = 1$	$3 + 4 + 4 - 9 = 2$ $(3 + 9 - 4) \div 4 = 2$	$3 + (4 - 4) \times 9 = 3$ $3 \div 4 + 9 \div 4 = 3$ $3 \times (9 - (4 + 4)) = 3$	$(3 + 4 + 9) \div 4 = 4$ $3 + 9 - (4 + 4) = 4$	$(4 - 3) \times (9 - 4) = 5$ $(4 - 3) \times 9 - 4 = 5$ $4 + 4 - 9 \div 3 = 5$
$4 - 3 + 9 - 4 = 6$	$3 \times 4 + 4 - 9 = 7$ $(3 + 9) \div 4 + 4 = 7$	$4 \div 3 \times 9 - 4 = 8$ $4 \times (9 - (3 + 4)) = 8$ $4 \times (9 - 3 - 4) = 8$	$3 \times (4 - 4) + 9 = 9$	$3 + 4 \times 4 - 9 = 10$ $4 \times 4 + 3 - 9 = 10$

3 4 5 5

$3 \div (4 - 5 \div 5) = 1$ $(3 + 5 \div 5) \div 4 = 1$ $4 - (3 + 5 - 5) = 1$	$3 \times 4 - (5 + 5) = 2$ $3 \times 4 - 5 - 5 = 2$ $4 \div (3 - 5 \div 5) = 2$	$3 + 4 \times (5 - 5) = 3$ $4 \times (5 - 3) - 5 = 3$	$3 \times (5 - 5) + 4 = 4$	$(3 \times 5 + 5) \div 4 = 5$ $4 \times 5 - 3 \times 5 = 5$
$3 + 4 - 5 \div 5 = 6$ $3 \times 5 - (4 + 5) = 6$	$3 + 4 + 5 - 5 = 7$ $3 + 4 \times 5 \div 5 = 7$	$3 + 4 + 5 \div 5 = 8$ $3 + (5 - 4) \times 5 = 8$	$3 \times (4 - 5 \div 5) = 9$ $3 + 5 - 4 + 5 = 9$	$(3 + 4 - 5) \times 5 = 10$ $(3 + 5) \div 4 \times 5 = 10$

3 4 5 6

$3 \div (4 + 5 - 6) = 1$ $3 \times 4 - (5 + 6) = 1$ $3 \times 4 - 5 - 6 = 1$	$(3 + 4 + 5) \div 6 = 2$ $3 \div (4 + 5) \times 6 = 2$	$4 \div (3 + 5) \times 6 = 3$ $4 \div 3 \times 6 - 5 = 3$	$(3 + 5) \div (6 - 4) = 4$ $5 - 3 + 6 - 4 = 4$	$3 + (4 + 6) \div 5 = 5$ $(3 + 4 - 6) \times 5 = 5$ $3 \times 5 - (4 + 6) = 5$
$3 + 4 + 5 - 6 = 6$	$3 + 4 \times (6 - 5) = 7$ $3 \times 4 \div 6 + 5 = 7$ $(3 + 4) \times (6 - 5) = 7$	$3 + 4 - 5 + 6 = 8$	$3 \times (4 + 5 - 6) = 9$ $3 + (5 - 4) \times 6 = 9$	$3 \times 4 \times 5 \div 6 = 10$

3 4 5 8

$3 \div 4 \times 8 - 5 = 1$ $3 \div (5 - 8 \div 4) = 1$ $(3 + 8 \div 4) \div 5 = 1$	$(3 + 5) \div (8 - 4) = 2$ $3 + 8 - 4 - 5 = 2$ $3 + 8 - (4 + 5) = 2$	$3 \times (4 + 5 - 8) = 3$ $(3 + 4 + 8) \div 5 = 3$	$3 + 4 + 5 - 8 = 4$	$(3 + 5) \div 8 + 4 = 5$ $(3 - 8 \div 4) \times 5 = 5$ $3 \times (8 - 5) - 4 = 5$
$3 + 5 - 8 \div 4 = 6$	$(3 + 4 \times 8) \div 5 = 7$ $3 \times (8 - 4) - 5 = 7$	$4 + 8 \div (5 - 3) = 8$ $(5 - 3) \times (8 - 4) = 8$	$3 \times 4 + 5 - 8 = 9$ $3 \times (5 - 8 \div 4) = 9$	$3 + 4 - 5 + 8 = 10$

3 4 6 6

$$\begin{aligned} 3 \times 4 \div (6 + 6) &= 1 \\ 3 \div (4 - 6 \div 6) &= 1 \end{aligned}$$

$$\begin{aligned} 3 \div 6 + 6 \div 4 &= 2 \\ 4 \div (3 - 6 \div 6) &= 2 \\ 4 - 3 + 6 \div 6 &= 2 \end{aligned}$$

$$\begin{aligned} 3 + 4 \times (6 - 6) &= 3 \\ (3 \times 4 + 6) \div 6 &= 3 \end{aligned}$$

$$\begin{aligned} 3 \times (6 - 6) + 4 &= 4 \end{aligned}$$

$$3 \times (4 + 6) \div 6 = 5$$

$$\begin{aligned} 3 + 4 - 6 \div 6 &= 6 \\ (3 + 4 - 6) \times 6 &= 6 \end{aligned}$$

$$\begin{aligned} 3 + 4 + 6 - 6 &= 7 \\ 3 + 4 \times 6 \div 6 &= 7 \end{aligned}$$

$$\begin{aligned} 3 + 4 + 6 \div 6 &= 8 \\ 3 \times 4 \div 6 + 6 &= 8 \end{aligned}$$

$$\begin{aligned} 3 \times (4 - 6 \div 6) &= 9 \\ 3 \div 4 \times (6 + 6) &= 9 \\ 3 \div (6 - 4) \times 6 &= 9 \end{aligned}$$

$$(4 \times 6 + 6) \div 3 = 10$$

3 4 6 7

$$\begin{aligned} 3 \div (4 + 6 - 7) &= 1 \\ 3 - 6 \div (7 - 4) &= 1 \end{aligned}$$

$$\begin{aligned} (3 \times 6 - 4) \div 7 &= 2 \\ 4 \div (3 + 6 - 7) &= 2 \\ 4 - 3 + 7 - 6 &= 2 \end{aligned}$$

$$\begin{aligned} (3 + 6) \div (7 - 4) &= 3 \\ 3 \times (7 - 4) - 6 &= 3 \\ 4 \times 6 - 3 \times 7 &= 3 \end{aligned}$$

$$(3 + 6 + 7) \div 4 = 4$$

$$\begin{aligned} 3 + 6 \div (7 - 4) &= 5 \\ (3 + 7) \div (6 - 4) &= 5 \\ 4 \times (6 - 3) - 7 &= 5 \end{aligned}$$

$$\begin{aligned} 3 + 4 + 6 - 7 &= 6 \\ (3 + 4) \times 6 \div 7 &= 6 \end{aligned}$$

$$\begin{aligned} (3 + 4 - 6) \times 7 &= 7 \\ 3 + 4 \times (7 - 6) &= 7 \\ (3 + 4) \times (7 - 6) &= 7 \end{aligned}$$

$$3 + 4 - 6 + 7 = 8$$

$$\begin{aligned} 3 \times (4 + 6 - 7) &= 9 \\ 3 \times 4 \div 6 + 7 &= 9 \end{aligned}$$

$$\begin{aligned} 4 \times (7 - 3) - 6 &= 10 \\ (4 - 7 \div 3) \times 6 &= 10 \\ 4 \times 7 - 3 \times 6 &= 10 \end{aligned}$$

3 4 6 8

$$\begin{aligned} 3 \div (4 \times 6 \div 8) &= 1 \\ 3 \div (4 \times 6) \times 8 &= 1 \\ 3 \div 4 \div 6 \times 8 &= 1 \end{aligned}$$

$$\begin{aligned} 3 \div 6 \times (8 - 4) &= 2 \\ 3 \times (8 - 4) \div 6 &= 2 \end{aligned}$$

$$4 - 3 + 8 - 6 = 3$$

$$(3 + 6 - 8) \times 4 = 4$$

$$3 + 4 + 6 - 8 = 5$$

$$\begin{aligned} 3 + 4 \times 6 \div 8 &= 6 \\ 3 \times (4 + 6 - 8) &= 6 \end{aligned}$$

$$3 + 6 - 8 \div 4 = 7$$

$$\begin{aligned} (3 + 4 - 6) \times 8 &= 8 \\ 3 \times (4 - 8 \div 6) &= 8 \\ 3 \div 6 \times 8 + 4 &= 8 \end{aligned}$$

$$3 \times 4 \times 6 \div 8 = 9$$

$$\begin{aligned} 3 \times 4 \div 6 + 8 &= 10 \\ 3 \times 4 + 6 - 8 &= 10 \end{aligned}$$

3 4 6 9

$$\begin{aligned} 3 \div 9 + 4 \div 6 &= 1 \\ 4 + 9 \div 3 - 6 &= 1 \end{aligned}$$

$$\begin{aligned} (3 \times 4 + 6) \div 9 &= 2 \\ 3 + 9 - 4 - 6 &= 2 \\ 3 + 9 - (4 + 6) &= 2 \end{aligned}$$

$$\begin{aligned} 3 \times (4 + 6 - 9) &= 3 \\ (3 + 4 \times 6) \div 9 &= 3 \end{aligned}$$

$$3 + 4 + 6 - 9 = 4$$

$$\begin{aligned} 3 \times 6 - (4 + 9) &= 5 \\ 3 \times 6 - 4 - 9 &= 5 \end{aligned}$$

$$\begin{aligned} 3 \times 6 \div 9 + 4 &= 6 \\ (3 - 9 \div 6) \times 4 &= 6 \end{aligned}$$

$$4 + 6 - 9 \div 3 = 7$$

$$3 \times 4 \times 6 \div 9 = 8$$

$$\begin{aligned} 3 + 4 \div 6 \times 9 &= 9 \\ (3 + 4 - 6) \times 9 &= 9 \\ 3 \times 4 + 6 - 9 &= 9 \end{aligned}$$

$$\begin{aligned} 3 \times (4 - 6 \div 9) &= 10 \\ 3 + 4 - 6 + 9 &= 10 \end{aligned}$$

3 4 7 8

$$\begin{aligned} 3 \div (4 + 7 - 8) &= 1 \\ 3 \times (7 - 4) - 8 &= 1 \end{aligned}$$

$$\begin{aligned} 4 \div (3 + 7 - 8) &= 2 \\ 4 - 3 + 8 - 7 &= 2 \end{aligned}$$

$$\begin{aligned} (4 + 8) \div (7 - 3) &= 3 \\ (7 - 3 + 8) \div 4 &= 3 \\ 7 - (4 + 8) \div 3 &= 3 \end{aligned}$$

$$\begin{aligned} (3 \times 8 + 4) \div 7 &= 4 \\ 4 \times 7 - 3 \times 8 &= 4 \end{aligned}$$

$$\begin{aligned} (3 + 4 \times 8) \div 7 &= 5 \\ (3 + 7) \times 4 \div 8 &= 5 \end{aligned}$$

$$3 + 4 + 7 - 8 = 6$$

$$\begin{aligned} 3 + 4 \times (8 - 7) &= 7 \\ (3 + 4) \times (8 - 7) &= 7 \\ (3 - 8 \div 4) \times 7 &= 7 \end{aligned}$$

$$\begin{aligned} 3 + 4 - 7 + 8 &= 8 \\ (3 + 4) \div 7 \times 8 &= 8 \end{aligned}$$

$$\begin{aligned} 3 \times (4 + 7 - 8) &= 9 \\ (3 + 4) \div 7 + 8 &= 9 \end{aligned}$$

$$(3 - 7 \div 4) \times 8 = 10$$

3 4 7 9

$$\begin{aligned} 3 - 4 \div (9 - 7) &= 1 \\ 3 \times (7 - 4) \div 9 &= 1 \end{aligned}$$

$$\begin{aligned} (3 + 7) \div (9 - 4) &= 2 \\ 3 \times (9 - 7) - 4 &= 2 \\ (4 - 3) \times (9 - 7) &= 2 \end{aligned}$$

$$\begin{aligned} (3 \times 4 + 9) \div 7 &= 3 \\ 4 - 3 + 9 - 7 &= 3 \end{aligned}$$

$$\begin{aligned} (3 + 7 - 9) \times 4 &= 4 \\ (3 + 9) \div (7 - 4) &= 4 \end{aligned}$$

$$3 + 4 + 7 - 9 = 5$$

$$\begin{aligned} 3 \times (4 + 7 - 9) &= 6 \\ 3 \times 4 \div (9 - 7) &= 6 \end{aligned}$$

$$\begin{aligned} 3 + (7 + 9) \div 4 &= 7 \\ 4 \times (7 - 3) - 9 &= 7 \end{aligned}$$

$$\begin{aligned} 3 \times 7 - (4 + 9) &= 8 \\ 3 \times 7 - 4 - 9 &= 8 \end{aligned}$$

$$\begin{aligned} 3 + 4 - 7 + 9 &= 9 \\ (3 + 4) \div 7 \times 9 &= 9 \end{aligned}$$

$$\begin{aligned} (3 + 4) \div 7 + 9 &= 10 \\ 3 \times 4 + 7 - 9 &= 10 \end{aligned}$$

3 4 8 8

$$\begin{aligned} 3 \div (4 - 8 \div 8) &= 1 \\ 3 - 8 \div (8 - 4) &= 1 \\ (3 + 8 \div 8) \div 4 &= 1 \end{aligned}$$

$$3 \div (4 + 8) \times 8 = 2$$

$$3 + 4 \times (8 - 8) = 3$$

$$\begin{aligned} 3 \times (8 - 4) - 8 &= 4 \\ (3 \times 8 - 8) \div 4 &= 4 \end{aligned}$$

$$3 + 8 \div (8 - 4) = 5$$

$$\begin{aligned} 3 + 4 - 8 \div 8 &= 6 \\ 3 \div (8 - 4) \times 8 &= 6 \end{aligned}$$

$$\begin{aligned} 3 + 4 + 8 - 8 &= 7 \\ 3 + 4 \times 8 \div 8 &= 7 \end{aligned}$$

$$\begin{aligned} 3 + 4 + 8 \div 8 &= 8 \\ (3 - 8 \div 4) \times 8 &= 8 \end{aligned}$$

$$\begin{aligned} 3 \times (4 - 8 \div 8) &= 9 \\ 3 - 8 \div 4 + 8 &= 9 \end{aligned}$$

$$\begin{aligned} (8 - 3) \div 4 \times 8 &= 10 \\ (8 - 3) \times 8 \div 4 &= 10 \end{aligned}$$

3 4 8 9

$$\begin{aligned} 3 \div (4 + 8 - 9) &= 1 \\ (3 + 9 - 4) \div 8 &= 1 \end{aligned}$$

$$(3 + 4 + 9) \div 8 = 2$$

$$\begin{aligned} 3 \times (8 - 4) - 9 &= 3 \\ (3 + 9) \div (8 - 4) &= 3 \\ 4 \div 8 \times (9 - 3) &= 3 \end{aligned}$$

$$3 \times (4 + 8) \div 9 = 4$$

$$(3 + 8 + 9) \div 4 = 5$$

$$3 + 4 + 8 - 9 = 6$$

$$\begin{aligned} 3 + 4 \times (9 - 8) &= 7 \\ (3 + 4) \times (9 - 8) &= 7 \\ 3 \times (9 - 4) - 8 &= 7 \end{aligned}$$

$$3 + 4 + 9 - 8 = 8$$

$$\begin{aligned} 3 \times (4 + 8 - 9) &= 9 \\ (3 - 8 \div 4) \times 9 &= 9 \end{aligned}$$

$$\begin{aligned} 3 - 8 \div 4 + 9 &= 10 \\ 3 + 9 - 8 \div 4 &= 10 \end{aligned}$$

3 5 5 5

$3 - (5 + 5) \div 5 = 1$ $5 - (3 + 5 \div 5) = 1$ $5 - 3 - 5 \div 5 = 1$	$(3 \times 5 - 5) \div 5 = 2$ $5 - (3 + 5 - 5) = 2$ $5 - 3 \times 5 \div 5 = 2$	$3 + 5 \times (5 - 5) = 3$ $5 - 3 + 5 \div 5 = 3$	$(3 \times 5 + 5) \div 5 = 4$	$3 + (5 + 5) \div 5 = 5$ $3 \times (5 - 5) + 5 = 5$ $3 \times 5 - (5 + 5) = 5$
$3 \times (5 + 5) \div 5 = 6$ $3 \div 5 \times (5 + 5) = 6$	$3 + 5 - 5 \div 5 = 7$	$3 + 5 + 5 - 5 = 8$ $3 + 5 \times 5 \div 5 = 8$	$3 + 5 + 5 \div 5 = 9$	$(3 - 5 \div 5) \times 5 = 10$ $5 \times 5 - 3 \times 5 = 10$

3 5 5 6

$5 - 3 + 5 - 6 = 1$ $5 - (3 + 6 - 5) = 1$	$5 \div (3 \times 5 \div 6) = 2$ $5 \div (3 \times 5) \times 6 = 2$ $5 \div 3 \div 5 \times 6 = 2$	$3 + (5 - 5) \times 6 = 3$ $5 - 3 + 6 - 5 = 3$	$3 \times 5 - (5 + 6) = 4$ $3 \times 5 - 5 - 6 = 4$	$3 \times (5 + 5) \div 6 = 5$ $3 \div 6 \times (5 + 5) = 5$
$3 \times (5 - 5) + 6 = 6$	$3 + 5 + 5 - 6 = 7$	$3 - 5 \div 5 + 6 = 8$ $3 + 5 \times (6 - 5) = 8$ $(3 + 5) \times (6 - 5) = 8$	$3 + 5 - 5 + 6 = 9$ $3 + 5 \div 5 \times 6 = 9$	$3 + 5 \div 5 + 6 = 10$ $(3 + 5 - 6) \times 5 = 10$

3 5 5 7

$3 \div (5 + 5 - 7) = 1$ $(3 + 7 - 5) \div 5 = 1$ $3 \times (7 - 5) - 5 = 1$	$3 \div 5 + 7 \div 5 = 2$ $(7 - 5 \div 5) \div 3 = 2$	$3 + (5 - 5) \times 7 = 3$ $3 \times 5 - (5 + 7) = 3$ $3 \times 5 - 5 - 7 = 3$	$(3 + 5 \times 5) \div 7 = 4$ $(3 + 5) \div (7 - 5) = 4$	$(3 + 5 - 7) \times 5 = 5$
$3 + 5 + 5 - 7 = 6$	$3 \times (5 - 5) + 7 = 7$ $(3 + 7) \div 5 + 5 = 7$	$(3 - 7 \div 5) \times 5 = 8$	$3 \times (5 + 5 - 7) = 9$ $3 - 5 \div 5 + 7 = 9$	$3 + 5 - 5 + 7 = 10$ $3 + 5 \div 5 \times 7 = 10$

3 5 5 8

$3 + 8 - 5 - 5 = 1$ $3 + 8 - (5 + 5) = 1$	$3 \times 5 - (5 + 8) = 2$ $3 \times 5 - 5 - 8 = 2$	$3 + (5 - 5) \times 8 = 3$	$3 \times (8 - 5) - 5 = 4$ $5 - (3 + 5) \div 8 = 4$ $5 - 3 \div (8 - 5) = 4$	$3 + 5 + 5 - 8 = 5$ $(3 + 5) \times 5 \div 8 = 5$
$3 \times (5 + 5 - 8) = 6$ $(3 + 5) \div 8 + 5 = 6$ $3 \div (8 - 5) + 5 = 6$	$(3 - 8 \div 5) \times 5 = 7$	$3 \times (5 - 5) + 8 = 8$	$5 + 8 \div (5 - 3) = 9$	$3 - 5 \div 5 + 8 = 10$ $3 + 8 - 5 \div 5 = 10$

3 5 5 9

$3 \times 5 - (5 + 9) = 1$ $3 \times 5 - 5 - 9 = 1$	$(3 + 5) \div (9 - 5) = 2$ $3 + 9 - 5 - 5 = 2$ $3 + 9 - (5 + 5) = 2$	$3 \times (5 + 5 - 9) = 3$ $3 + (5 - 5) \times 9 = 3$	$3 + 5 + 5 - 9 = 4$	$5 \times (9 - (3 + 5)) = 5$ $5 \times (9 - 3 - 5) = 5$
$(3 - 9 \div 5) \times 5 = 6$ $5 - 3 + 9 - 5 = 6$	$3 \times (9 - 5) - 5 = 7$ $5 + 5 - 9 \div 3 = 7$	$(5 - 3) \times (9 - 5) = 8$	$3 \times (5 - 5) + 9 = 9$	$5 \div 3 \times 9 - 5 = 10$ $5 \times (5 - 9 \div 3) = 10$

3 5 6 6

$5 - (3 + 6 \div 6) = 1$ $5 - 3 - 6 \div 6 = 1$ $5 + 6 \div 3 - 6 = 1$	$5 - (3 + 6 - 6) = 2$ $5 - 3 \times 6 \div 6 = 2$	$3 + 5 \times (6 - 6) = 3$ $3 \times 5 - (6 + 6) = 3$ $3 \times 5 - 6 - 6 = 3$	$5 \div 3 \times 6 - 6 = 4$ $5 \times 6 \div 3 - 6 = 4$	$3 \times (6 - 6) + 5 = 5$
$(5 - 3) \times 6 - 6 = 6$ $(6 + 6) \div (5 - 3) = 6$	$3 + 5 - 6 \div 6 = 7$ $3 \times 6 - (5 + 6) = 7$	$3 + 5 + 6 - 6 = 8$ $3 + 5 \times 6 \div 6 = 8$	$3 + 5 + 6 \div 6 = 9$ $3 + (6 - 5) \times 6 = 9$	$3 + 6 - 5 + 6 = 10$

3 5 6 7

$3 - (5 + 7) \div 6 = 1$ $3 \div 6 \times (7 - 5) = 1$	$(3 + 5 + 6) \div 7 = 2$ $3 \times 5 - (6 + 7) = 2$	$(3 \times 5 + 6) \div 7 = 3$	$(5 + 7) \div (6 - 3) = 4$ $6 - (3 + 7) \div 5 = 4$ $6 \div 3 + 7 - 5 = 4$	$3 + (5 + 7) \div 6 = 5$ $(3 \times 6 + 7) \div 5 = 5$
$3 \times (5 + 7) \div 6 = 6$ $(3 + 5 - 7) \times 6 = 6$	$3 + 5 + 6 - 7 = 7$	$3 + 5 \times (7 - 6) = 8$ $(3 + 5) \times (7 - 6) = 8$ $(3 + 7) \div 5 + 6 = 8$	$3 + 5 - 6 + 7 = 9$	$3 + (6 - 5) \times 7 = 10$ $(3 + 6 - 7) \times 5 = 10$

3 5 6 9

$3 \times 5 \div (6 + 9) = 1$ $(3 \times 5 - 6) \div 9 = 1$	$3 \div 6 \times (9 - 5) = 2$ $3 \times (9 - 5) \div 6 = 2$	$5 - 3 \times 6 \div 9 = 3$ $(5 - 3) \times 6 - 9 = 3$	$(3 \times 5 + 9) \div 6 = 4$ $3 \times 6 - (5 + 9) = 4$ $3 \times 6 - 5 - 9 = 4$	$3 + 5 + 6 - 9 = 5$
$3 \times (5 + 6 - 9) = 6$ $3 + (6 + 9) \div 5 = 6$	$3 \times (5 + 9) \div 6 = 7$ $3 \div 6 \times (5 + 9) = 7$	$(3 + 5 \times 9) \div 6 = 8$ $5 + 6 - 9 \div 3 = 8$	$3 \div 5 \times (6 + 9) = 9$ $3 \times (6 + 9) \div 5 = 9$	$3 \times 5 \times 6 \div 9 = 10$

3 5 7 8

$3 \times 5 \div (7 + 8) = 1$ $(3 \times 5 - 7) \div 8 = 1$	$3 \div (5 + 7) \times 8 = 2$ $(3 \times 7 - 5) \div 8 = 2$	$5 - 3 + 8 - 7 = 3$	$5 \div (3 + 7) \times 8 = 4$ $(5 \times 7 - 3) \div 8 = 4$	$7 \div (3 - 8 \div 5) = 5$
$3 + (7 + 8) \div 5 = 6$ $(5 - 3) \times 7 - 8 = 6$	$3 + 5 + 7 - 8 = 7$ $(3 + 5) \times 7 \div 8 = 7$	$(3 + 5 - 7) \times 8 = 8$ $3 + 5 \times (8 - 7) = 8$ $(3 + 5) \times (8 - 7) = 8$	$3 \div 5 \times (7 + 8) = 9$ $3 + 5 - 7 + 8 = 9$	$(3 + 7) \div 5 + 8 = 10$ $(3 + 7 - 8) \times 5 = 10$

3 5 7 9

$3 \div (5 + 7 - 9) = 1$ $3 - (5 + 9) \div 7 = 1$	$(5 + 7) \div (9 - 3) = 2$ $(7 + 9 \div 3) \div 5 = 2$	$9 - 3 \times (7 - 5) = 3$ $(9 - 3) \div (7 - 5) = 3$	$3 \times (5 + 7) \div 9 = 4$ $(3 + 5) \div (9 - 7) = 4$	$3 + (5 + 9) \div 7 = 5$ $(3 + 7 - 9) \times 5 = 5$
$3 + 5 + 7 - 9 = 6$	$3 \times 7 - (5 + 9) = 7$ $3 \times 7 - 5 - 9 = 7$	$5 \div 3 \times 9 - 7 = 8$ $5 \times 7 - 3 \times 9 = 8$	$3 \times (5 + 7 - 9) = 9$	$3 + 5 - 7 + 9 = 10$

3 5 8 9

$3 \times (8 - 5) \div 9 = 1$ $3 - 8 \div (9 - 5) = 1$	$5 - 3 \times (9 - 8) = 2$ $(5 - 3) \times (9 - 8) = 2$	$(3 \times 5 + 9) \div 8 = 3$ $5 - 3 + 9 - 8 = 3$	$(3 + 8 + 9) \div 5 = 4$ $3 \times (9 - 5) - 8 = 4$	$3 + 8 \div (9 - 5) = 5$
$(3 + 5 \times 9) \div 8 = 6$ $3 \times 8 \div (9 - 5) = 6$	$3 + 5 + 8 - 9 = 7$	$3 + 5 \times (9 - 8) = 8$ $(3 + 5) \times (9 - 8) = 8$	$3 + 5 - 8 + 9 = 9$ $(3 + 5) \div 8 \times 9 = 9$	$(3 + 5) \div 8 + 9 = 10$ $3 \div (8 - 5) + 9 = 10$ $3 \times 8 - (5 + 9) = 10$

3 6 6 8

$3 \div 6 \times (8 - 6) = 1$ $3 \times (8 - 6) \div 6 = 1$	$3 \div (6 + 6) \times 8 = 2$ $3 \times 8 \div (6 + 6) = 2$	$3 + (6 - 6) \times 8 = 3$ $(3 \times 6 + 6) \div 8 = 3$	$3 \times 6 - (6 + 8) = 4$ $3 \times 6 - 6 - 8 = 4$	$(3 \times 8 + 6) \div 6 = 5$ $6 - 3 + 8 - 6 = 5$
$3 + 6 \div (8 - 6) = 6$ $(3 + 6 - 8) \times 6 = 6$	$3 + 6 + 6 - 8 = 7$ $3 \div 6 \times (6 + 8) = 7$	$3 \times (6 - 6) + 8 = 8$	$3 \times 6 \div (8 - 6) = 9$	$3 - 6 \div 6 + 8 = 10$ $3 \div 6 \times 8 + 6 = 10$

3 6 7 7

$6 \div 3 - 7 \div 7 = 1$	$6 \div (3 + 7 - 7) = 2$ $6 - (3 + 7 \div 7) = 2$ $6 \div (3 \times 7 \div 7) = 2$	$3 + 6 \times (7 - 7) = 3$ $6 - (3 + 7 - 7) = 3$	$3 \times 6 - (7 + 7) = 4$ $3 \times 6 - 7 - 7 = 4$ $6 - 3 + 7 \div 7 = 4$	$7 - 3 + 7 - 6 = 5$
$3 \times (7 - 7) + 6 = 6$	$3 \div 6 \times (7 + 7) = 7$ $3 \times (7 + 7) \div 6 = 7$	$3 + 6 - 7 \div 7 = 8$ $3 \times 7 - (6 + 7) = 8$	$3 + 6 + 7 - 7 = 9$ $3 + 6 \times 7 \div 7 = 9$	$3 + 6 + 7 \div 7 = 10$ $3 + (7 - 6) \times 7 = 10$

3 6 7 8

$3 - (6 + 8) \div 7 = 1$ $6 \div 3 + 7 - 8 = 1$	$(3 + 6 + 7) \div 8 = 2$	$3 \times 6 - (7 + 8) = 3$ $3 \times 6 - 7 - 8 = 3$	$6 - 3 + 8 - 7 = 4$	$3 + (6 + 8) \div 7 = 5$ $(3 + 7) \div (8 - 6) = 5$
$3 \times (6 + 8) \div 7 = 6$ $3 \div 7 \times (6 + 8) = 6$	$(3 + 6 - 8) \times 7 = 7$ $3 \times 7 - (6 + 8) = 7$ $3 \times 7 - 6 - 8 = 7$	$3 + 6 + 7 - 8 = 8$	$3 + 6 \times (8 - 7) = 9$ $(3 + 6) \times (8 - 7) = 9$	$3 + 6 - 7 + 8 = 10$

3 6 7 9

$3 \div 6 \times (9 - 7) = 1$ $3 \times (9 - 7) \div 6 = 1$	$3 \times 6 - (7 + 9) = 2$ $3 \times 6 - 7 - 9 = 2$	$(3 \times 7 + 6) \div 9 = 3$	$6 \div 3 + 9 - 7 = 4$ $6 \div 3 \times (9 - 7) = 4$	$(3 + 6 \times 7) \div 9 = 5$
$3 + 6 \div (9 - 7) = 6$ $3 \times 7 - (6 + 9) = 6$ $3 \times 7 - 6 - 9 = 6$	$3 + 6 + 7 - 9 = 7$ $(3 + 6) \times 7 \div 9 = 7$	$3 \div 6 \times (7 + 9) = 8$ $(3 + 6) \div 9 + 7 = 8$	$3 \times 6 \div (9 - 7) = 9$ $3 \times 6 \div 9 + 7 = 9$	$6 + 7 - 9 \div 3 = 10$

3 6 8 9

$3 \times 6 - (8 + 9) = 1$ $3 \times 6 - 8 - 9 = 1$	$(3 \times 8 - 6) \div 9 = 2$ $6 - 3 + 8 - 9 = 2$ $6 - (3 + 9 - 8) = 2$	$6 \div (3 + 8 - 9) = 3$ $6 - 3 \times (9 - 8) = 3$ $(6 - 3) \times (9 - 8) = 3$	$6 \div (3 + 9) \times 8 = 4$ $6 - 3 + 9 - 8 = 4$	$(6 \times 8 - 3) \div 9 = 5$ $8 - 6 + 9 \div 3 = 5$
$(3 + 9) \div (8 - 6) = 6$ $8 - 3 \times 6 \div 9 = 6$	$6 \div 3 \times 8 - 9 = 7$ $6 \times 8 \div 3 - 9 = 7$	$3 + 6 + 8 - 9 = 8$ $(3 + 6) \times 8 \div 9 = 8$	$(3 + 6 - 8) \times 9 = 9$ $3 + 6 \times (9 - 8) = 9$ $(3 + 6) \times (9 - 8) = 9$	$3 + 6 - 8 + 9 = 10$

3 6 9 9

$3 \times 6 \div (9 + 9) = 1$ $(3 \times 6 - 9) \div 9 = 1$	$(3 + 6 + 9) \div 9 = 2$	$3 + 6 \times (9 - 9) = 3$ $(3 \times 6 + 9) \div 9 = 3$	$(3 + 9) \div (9 - 6) = 4$ $6 - 3 + 9 \div 9 = 4$ $6 \times (9 - 3) \div 9 = 4$	$3 \times (6 + 9) \div 9 = 5$
$3 + 9 \div (9 - 6) = 6$ $3 + (9 + 9) \div 6 = 6$ $3 \times (9 - 9) + 6 = 6$	$9 - 3 \times 6 \div 9 = 7$ $9 - (3 + 9) \div 6 = 7$	$3 + 6 - 9 \div 9 = 8$ $(3 + 9) \times 6 \div 9 = 8$	$3 + 6 + 9 - 9 = 9$ $3 + 6 \times 9 \div 9 = 9$	$3 + 6 + 9 \div 9 = 10$ $(3 + 6) \div 9 + 9 = 10$

3 7 8 9

$3 - (7 + 9) \div 8 = 1$ $8 \div (9 - 7) - 3 = 1$	$(3 + 7 + 8) \div 9 = 2$	$7 - 3 + 8 - 9 = 3$ $7 - (3 + 9 - 8) = 3$	$3 \times 7 - (8 + 9) = 4$ $3 \times 7 - 8 - 9 = 4$	$3 \times (7 + 8) \div 9 = 5$ $3 + (7 + 9) \div 8 = 5$
$3 \times (7 + 9) \div 8 = 6$ $3 \div 8 \times (7 + 9) = 6$	$3 + 8 \div (9 - 7) = 7$ $8 - 3 + 9 - 7 = 7$	$(3 + 7 - 9) \times 8 = 8$ $3 \times 8 - (7 + 9) = 8$ $3 \times 8 - 7 - 9 = 8$	$3 + 7 + 8 - 9 = 9$	$3 + 7 \times (9 - 8) = 10$ $(3 + 7) \times (9 - 8) = 10$

3 7 9 9

$7 + 9 \div 3 - 9 = 1$ $7 - (9 + 9) \div 3 = 1$	$(7 - 9 \div 9) \div 3 = 2$	$3 + 7 \times (9 - 9) = 3$ $3 \times 7 - (9 + 9) = 3$ $3 \times 7 - 9 - 9 = 3$	$7 - (3 + 9 - 9) = 4$ $7 - 3 \times 9 \div 9 = 4$	$7 - 3 + 9 \div 9 = 5$ $7 + 9 \div 9 - 3 = 5$ $9 \div 3 + 9 - 7 = 5$
$(3 + 9) \div (9 - 7) = 6$ $9 \div 3 \times (9 - 7) = 6$	$3 \times (9 - 9) + 7 = 7$	$9 - 3 + 9 - 7 = 8$	$3 + 7 - 9 \div 9 = 9$ $(3 + 7 - 9) \times 9 = 9$	$3 + 7 + 9 - 9 = 10$ $3 + 7 \times 9 \div 9 = 10$

4 4 4 5

$(4 + 4 \div 4) \div 5 = 1$ $4 \div (4 \times (5 - 4)) = 1$	$4 \div 4 + 5 - 4 = 2$ $5 + 4 \div 4 - 4 = 2$	$5 - (4 + 4) \div 4 = 3$	$4 + (4 - 4) \times 5 = 4$ $(4 + 4 \times 4) \div 5 = 4$	$4 \times (4 - 4) + 5 = 5$
$(4 + 4 \times 5) \div 4 = 6$	$4 + 4 + 4 - 5 = 7$ $4 \times 4 - (4 + 5) = 7$	$4 - 4 \div 4 + 5 = 8$ $4 + 4 \times (5 - 4) = 8$ $(4 + 4) \times (5 - 4) = 8$	$4 + 4 - 4 + 5 = 9$ $4 + 4 \div 4 \times 5 = 9$	$4 + 4 \div 4 + 5 = 10$

4 4 4 6

$6 - (4 + 4 \div 4) = 1$ $6 - 4 \div 4 - 4 = 1$	$4 \div (4 + 4 - 6) = 2$ $(4 + 4 + 4) \div 6 = 2$	$4 \div (4 + 4) \times 6 = 3$ $4 \div 4 + 6 - 4 = 3$	$4 + (4 - 4) \times 6 = 4$ $(4 + 4) \div (6 - 4) = 4$	$(4 \times 6 - 4) \div 4 = 5$
$4 + 4 + 4 - 6 = 6$ $4 \times (4 - 4) + 6 = 6$	$(4 + 4 \times 6) \div 4 = 7$	$4 \times (4 + 4 - 6) = 8$ $(4 + 4) \div 4 + 6 = 8$ $4 \times 4 \div (6 - 4) = 8$	$4 - 4 \div 4 + 6 = 9$ $4 + 6 - 4 \div 4 = 9$	$4 + 4 - 4 + 6 = 10$ $4 + 4 \div 4 \times 6 = 10$

4 4 4 8

$4 - (4 + 8) \div 4 = 1$ $8 \div 4 - 4 \div 4 = 1$	$4 - 4 \times 4 \div 8 = 2$ $4 \div (4 \times 4 \div 8) = 2$	$4 - (4 + 4) \div 8 = 3$ $4 - 4 \div (8 - 4) = 3$ $4 \div 4 + 8 \div 4 = 3$	$4 + 4 + 4 - 8 = 4$ $4 \times (4 + 4) \div 8 = 4$ $4 + (4 - 4) \times 8 = 4$	$4 + (4 + 4) \div 8 = 5$ $4 + 4 \div (8 - 4) = 5$ $4 \div 4 + 8 - 4 = 5$
$4 + 4 \times 4 \div 8 = 6$ $4 + 4 - 8 \div 4 = 6$	$4 + (4 + 8) \div 4 = 7$	$4 \times 4 \times 4 \div 8 = 8$ $4 \times (4 - 4) + 8 = 8$	$(4 + 4 \times 8) \div 4 = 9$	$(4 + 4) \div 4 + 8 = 10$ $4 + 4 + 8 \div 4 = 10$

4 4 5 6

$(4 \div 4 + 5) \div 6 = 1$ $4 \div (4 \times (6 - 5)) = 1$ $4 - 4 + 6 - 5 = 1$	$4 - (4 + 6) \div 5 = 2$ $4 \div (4 + 6) \times 5 = 2$ $4 \div 4 + 6 - 5 = 2$	$4 \times (6 - 4) - 5 = 3$ $5 - 4 \div (6 - 4) = 3$ $5 - 4 + 6 - 4 = 3$	$(4 + 4 \times 5) \div 6 = 4$	$4 \times 4 - (5 + 6) = 5$ $4 \times 4 - 5 - 6 = 5$
$4 \times (4 + 5) \div 6 = 6$ $(4 - 4) \times 5 + 6 = 6$	$4 + 4 + 5 - 6 = 7$	$4 + 4 \times (6 - 5) = 8$ $4 \times (4 + 6) \div 5 = 8$	$4 + 4 - 5 + 6 = 9$	$(4 + 4 - 6) \times 5 = 10$ $4 + (5 - 4) \times 6 = 10$

4 4 5 7

$4 - (5 + 7) \div 4 = 1$ $7 - (4 \div 4 + 5) = 1$	$4 \div (4 + 5 - 7) = 2$ $4 - 4 \div (7 - 5) = 2$ $4 - 4 + 7 - 5 = 2$	$(4 \times 4 + 5) \div 7 = 3$ $(4 + 4 + 7) \div 5 = 3$ $4 \div 4 + 7 - 5 = 3$	$4 \times 4 - (5 + 7) = 4$ $4 \times 4 - 5 - 7 = 4$ $(4 + 4) \div (7 - 5) = 4$	$(4 + 4 - 7) \times 5 = 5$ $(4 - 4) \times 7 + 5 = 5$
$4 + 4 + 5 - 7 = 6$	$(4 - 4) \times 5 + 7 = 7$ $4 + (5 + 7) \div 4 = 7$ $4 \times (7 - 4) - 5 = 7$	$4 \times (4 + 5 - 7) = 8$ $4 \times 4 \div (7 - 5) = 8$	$4 \times 5 - (4 + 7) = 9$ $4 \times 5 - 4 - 7 = 9$	$4 + 4 - 5 + 7 = 10$

4 4 5 8

$4 + 8 \div 4 - 5 = 1$	$(4 \times 5 - 4) \div 8 = 2$ $(5 - 4) \div 4 \times 8 = 2$	$(4 + 4 \times 5) \div 8 = 3$ $4 \times 4 - (5 + 8) = 3$ $4 \times 4 - 5 - 8 = 3$	$4 \times (4 + 5 - 8) = 4$ $4 \div 4 + 8 - 5 = 4$	$4 + 4 + 5 - 8 = 5$ $(4 + 4) \times 5 \div 8 = 5$
$(4 + 4) \div 8 + 5 = 6$ $4 \div (8 - 4) + 5 = 6$	$4 \times 4 \div 8 + 5 = 7$ $4 + 5 - 8 \div 4 = 7$	$(4 - 4) \times 5 + 8 = 8$ $4 \times 5 - (4 + 8) = 8$ $4 \times 5 - 4 - 8 = 8$	$(5 \times 8 - 4) \div 4 = 9$	$4 \times 4 \times 5 \div 8 = 10$

4 4 6 6

$4 \div (4 + 6 - 6) = 1$ $4 \div (4 \times 6 \div 6) = 1$	$4 \div 4 + 6 \div 6 = 2$ $4 \times (6 - 4) - 6 = 2$	$6 \div (4 + 4 - 6) = 3$ $(6 - 4) \div 4 \times 6 = 3$	$4 + 4 \times (6 - 6) = 4$ $4 \times 4 - (6 + 6) = 4$ $4 \times 4 - 6 - 6 = 4$	$(4 + 6) \div (6 - 4) = 5$ $6 \div 4 \times 6 - 4 = 5$
$(4 - 4) \times 6 + 6 = 6$	$4 + 4 - 6 \div 6 = 7$ $4 + 6 \div (6 - 4) = 7$	$4 + 4 + 6 - 6 = 8$ $4 + 4 \times 6 \div 6 = 8$	$4 + 4 + 6 \div 6 = 9$	$(4 + 6 \times 6) \div 4 = 10$

4 4 6 7

$(4 \div 4 + 6) \div 7 = 1$ $4 \div (4 \times (7 - 6)) = 1$ $4 - 4 + 7 - 6 = 1$	$(4 + 4 + 6) \div 7 = 2$ $4 \div 4 + 7 - 6 = 2$	$4 \times 4 - (6 + 7) = 3$ $4 \times 4 - 6 - 7 = 3$	$(4 + 4 \times 6) \div 7 = 4$	$6 - 4 + 7 - 4 = 5$
$(4 + 4 - 7) \times 6 = 6$ $(4 - 4) \times 7 + 6 = 6$ $4 + 6 \div (7 - 4) = 6$	$4 + 4 + 6 - 7 = 7$	$4 + 4 \times (7 - 6) = 8$ $(4 + 4) \times (7 - 6) = 8$ $4 \times 6 \div (7 - 4) = 8$	$4 + 4 - 6 + 7 = 9$	$(6 - 4) \times 7 - 4 = 10$

4 4 6 8

$4 - 4 \times 6 \div 8 = 1$	$4 \div (4 + 6 - 8) = 2$ $4 \times 4 - (6 + 8) = 2$ $4 \times 4 - 6 - 8 = 2$	$4 \div 4 + 8 - 6 = 3$ $6 \div (4 \times 4 \div 8) = 3$	$(4 + 4) \div (8 - 6) = 4$ $(4 \times 4 + 8) \div 6 = 4$	$4 \times (4 + 6) \div 8 = 5$
$4 + 4 + 6 - 8 = 6$ $(4 + 4) \times 6 \div 8 = 6$	$4 + 4 \times 6 \div 8 = 7$	$4 \times (4 + 6 - 8) = 8$ $(4 - 4) \times 6 + 8 = 8$ $4 \times 4 \div (8 - 6) = 8$	$(4 + 8) \div 4 + 6 = 9$	$4 + 4 - 6 + 8 = 10$

4 4 6 9

$4 \times 4 - (6 + 9) = 1$ $4 \times 4 - 6 - 9 = 1$	$(4 + 6) \div (9 - 4) = 2$ $4 \div 6 \times 9 - 4 = 2$	$4 - 4 + 9 - 6 = 3$ $4 \div 4 \times (9 - 6) = 3$	$4 \times (4 + 6 - 9) = 4$ $4 \div 4 + 9 - 6 = 4$	$4 + 4 + 6 - 9 = 5$
$(4 - 4) \times 9 + 6 = 6$ $6 \times (9 - (4 + 4)) = 6$	$6 - 4 + 9 - 4 = 7$ $6 + 9 - (4 + 4) = 7$	$4 \times (9 - 6) - 4 = 8$	$(4 - 4) \times 6 + 9 = 9$	$4 + 4 \div 6 \times 9 = 10$ $4 \times (4 - 9 \div 6) = 10$

4 4 7 8

$4 \times 4 - (7 + 8) = 1$ $4 \times 4 - 7 - 8 = 1$ $(4 \div 4 + 7) \div 8 = 1$	$4 \div 4 + 8 - 7 = 2$ $7 \div (4 - 4 \div 8) = 2$	$(4 \times 7 - 4) \div 8 = 3$	$(4 + 4 \times 7) \div 8 = 4$ $4 \times (7 - 4) - 8 = 4$	$(4 \times 7 - 8) \div 4 = 5$ $7 - 4 \times 4 \div 8 = 5$
$7 - (4 + 4) \div 8 = 6$ $(7 - 4) \div 4 \times 8 = 6$ $7 - 4 \div (8 - 4) = 6$	$4 + 4 + 7 - 8 = 7$ $(4 + 4) \times 7 \div 8 = 7$	$(4 + 4 - 7) \times 8 = 8$ $(4 - 4) \times 7 + 8 = 8$	$4 + 4 - 7 + 8 = 9$	$(4 + 8) \div 4 + 7 = 10$ $7 \div 4 \times 8 - 4 = 10$

4 4 7 9

$4 \times 4 \div (7 + 9) = 1$ $(4 \times 4 - 7) \div 9 = 1$	$4 \div (4 + 7 - 9) = 2$ $4 - 4 \div (9 - 7) = 2$ $4 - 4 + 9 - 7 = 2$	$4 \div 4 + 9 - 7 = 3$ $4 \times (7 - 4) - 9 = 3$	$(4 + 4) \div (9 - 7) = 4$ $4 \times (9 - 7) - 4 = 4$ $7 \div (4 - 9 \div 4) = 4$	$(4 + 7 + 9) \div 4 = 5$
$4 + 4 + 7 - 9 = 6$	$(4 - 4) \times 9 + 7 = 7$ $4 + 9 \div (7 - 4) = 7$	$4 \times (4 + 7 - 9) = 8$ $4 \times 4 \div (9 - 7) = 8$	$(4 + 4 - 7) \times 9 = 9$ $(4 - 4) \times 7 + 9 = 9$	$4 + 4 - 7 + 9 = 10$

4 4 8 8

$4 \times 4 \div (8 + 8) = 1$ $4 \div (4 + 8 - 8) = 1$ $4 \div (4 \times 8 \div 8) = 1$	$(4 + 4 + 8) \div 8 = 2$ $4 \div 4 + 8 \div 8 = 2$	$(4 \times 4 + 8) \div 8 = 3$ $(4 + 8) \div (8 - 4) = 3$	$4 + 4 \times (8 - 8) = 4$	$(4 + 8 + 8) \div 4 = 5$
$4 \times (4 + 8) \div 8 = 6$	$4 + 4 - 8 \div 8 = 7$	$4 + 4 + 8 - 8 = 8$ $4 + 4 \times 8 \div 8 = 8$	$4 + 4 + 8 \div 8 = 9$ $(4 + 4) \div 8 + 8 = 9$	$4 \times 4 \div 8 + 8 = 10$ $4 - 8 \div 4 + 8 = 10$

4 4 8 9

$(4 \div 4 + 8) \div 9 = 1$ $4 \div (4 \times (9 - 8)) = 1$ $4 - 4 + 9 - 8 = 1$	$4 \div 4 + 9 - 8 = 2$ $9 \div (4 + 4 \div 8) = 2$	$4 \div (4 + 8) \times 9 = 3$	$(4 + 4 \times 8) \div 9 = 4$	$(4 + 4 \times 9) \div 8 = 5$
$9 - (4 + 8) \div 4 = 6$	$4 + 4 + 8 - 9 = 7$	$4 + 4 \times (9 - 8) = 8$ $(4 + 4) \times (9 - 8) = 8$	$4 + 4 - 8 + 9 = 9$ $(4 + 4) \div 8 \times 9 = 9$ $(4 - 4) \times 8 + 9 = 9$	$(4 + 4) \div 8 + 9 = 10$ $4 \div (8 - 4) + 9 = 10$

4 5 5 6

$4 \div (5 + 5 - 6) = 1$ $(4 + 6 - 5) \div 5 = 1$ $(4 + 6) \div (5 + 5) = 1$	$4 \div 5 + 6 \div 5 = 2$ $5 - 4 + 6 - 5 = 2$	$(4 + 5 + 6) \div 5 = 3$	$4 + (5 - 5) \times 6 = 4$ $(5 + 5 + 6) \div 4 = 4$	$(5 + 5) \div (6 - 4) = 5$ $5 \times (6 - 4) - 5 = 5$
$4 \times (5 - 5) + 6 = 6$	$(4 + 6) \div 5 + 5 = 7$	$4 + 5 + 5 - 6 = 8$	$4 - 5 \div 5 + 6 = 9$ $4 \times 5 - (5 + 6) = 9$ $4 \times 5 - 5 - 6 = 9$	$4 + 5 - 5 + 6 = 10$ $4 + 5 \div 5 \times 6 = 10$

4 5 6 6

$4 \div (5 - 6 \div 6) = 1$ $(4 + 6 \div 6) \div 5 = 1$ $5 - (4 + 6 - 6) = 1$	$5 - 4 + 6 \div 6 = 2$ $5 - 6 \div (6 - 4) = 2$ $5 - (6 + 6) \div 4 = 2$	$5 \div (4 + 6) \times 6 = 3$	$4 + 5 \times (6 - 6) = 4$ $5 \times (6 - 4) - 6 = 4$	$4 \times (6 - 6) + 5 = 5$
$(4 \times 6 + 6) \div 5 = 6$ $5 \times 6 - 4 \times 6 = 6$	$(6 - 4) \times 6 - 5 = 7$	$4 + 5 - 6 \div 6 = 8$ $4 \times 5 - (6 + 6) = 8$	$4 + 5 + 6 - 6 = 9$ $4 + 5 \times 6 \div 6 = 9$	$4 + 5 + 6 \div 6 = 10$ $4 + (6 - 5) \times 6 = 10$

4 5 6 7

$4 \div (5 + 6 - 7) = 1$ $4 - 6 \div (7 - 5) = 1$	$(4 \times 5 - 6) \div 7 = 2$ $4 - (5 + 7) \div 6 = 2$ $4 \div (5 + 7) \times 6 = 2$	$5 \times (6 - 4) - 7 = 3$ $5 - 6 \div (7 - 4) = 3$ $6 \div (4 + 5 - 7) = 3$	$6 - 4 \div (7 - 5) = 4$ $6 - 4 + 7 - 5 = 4$ $(6 - 4) \times (7 - 5) = 4$	$(4 + 6) \div (7 - 5) = 5$ $7 - (4 + 6) \div 5 = 5$
$4 + (5 + 7) \div 6 = 6$ $(5 + 7) \div (6 - 4) = 6$	$4 \times 5 - (6 + 7) = 7$ $4 \times 5 - 6 - 7 = 7$	$4 + 5 + 6 - 7 = 8$	$4 + 5 \times (7 - 6) = 9$ $(4 + 5) \times (7 - 6) = 9$ $(4 + 6) \div 5 + 7 = 9$	$4 + 5 - 6 + 7 = 10$

4 5 6 8

$4 + 8 - 5 - 6 = 1$ $4 + 8 - (5 + 6) = 1$	$(4 \times 5 - 8) \div 6 = 2$ $4 - 6 \div (8 - 5) = 2$ $4 \div 6 \times (8 - 5) = 2$	$4 \times (8 - 6) - 5 = 3$ $5 - 4 \div (8 - 6) = 3$ $5 - (4 + 8) \div 6 = 3$	$5 \div (4 + 6) \times 8 = 4$ $5 \div 4 \times 8 - 6 = 4$	$6 - 4 + 8 - 5 = 5$
$4 \times 5 - (6 + 8) = 6$ $4 \times 5 - 6 - 8 = 6$	$4 + 5 + 6 - 8 = 7$	$4 \times 6 \div (8 - 5) = 8$ $4 \times 6 \div 8 + 5 = 8$	$5 + 6 - 8 \div 4 = 9$	$4 \times 5 \div (8 - 6) = 10$ $(4 + 6) \div 5 + 8 = 10$

4 5 7 8

$4 \div (5 + 7 - 8) = 1$ $4 \times (7 - 5) \div 8 = 1$	$(4 + 5 + 7) \div 8 = 2$	$5 \div 4 \times 8 - 7 = 3$ $5 \times 7 - 4 \times 8 = 3$ $(5 + 7) \div (8 - 4) = 3$	$(4 \times 5 + 8) \div 7 = 4$	$4 \times 5 - (7 + 8) = 5$ $4 \times 5 - 7 - 8 = 5$
$4 \times (5 + 7) \div 8 = 6$	$(4 + 5 - 8) \times 7 = 7$ $4 + (7 + 8) \div 5 = 7$	$4 + 5 + 7 - 8 = 8$	$4 + 5 \times (8 - 7) = 9$ $(4 + 5) \times (8 - 7) = 9$	$4 + 5 - 7 + 8 = 10$

4 5 8 8

$4 \div (5 - 8 \div 8) = 1$ $(4 + 8 \div 8) \div 5 = 1$ $5 - (4 + 8 - 8) = 1$	$5 - 4 + 8 \div 8 = 2$ $5 \div 4 \times 8 - 8 = 2$	$5 - 8 \div (8 - 4) = 3$	$4 + 5 \times (8 - 8) = 4$ $4 \times 5 - (8 + 8) = 4$ $4 \times 5 - 8 - 8 = 4$	$4 \times (8 - 8) + 5 = 5$
$8 \div 4 \times (8 - 5) = 6$ $(8 - 5) \div 4 \times 8 = 6$	$5 + 8 \div (8 - 4) = 7$ $8 - 4 + 8 - 5 = 7$	$4 + 5 - 8 \div 8 = 8$ $(4 + 5 - 8) \times 8 = 8$	$4 + 5 + 8 - 8 = 9$ $4 + 5 \times 8 \div 8 = 9$	$4 + 5 + 8 \div 8 = 10$

4 6 6 8

$4 \div (6 + 6 - 8) = 1$ $4 - 6 \div (8 - 6) = 1$ $(4 + 8 - 6) \div 6 = 1$	$(4 + 6 + 6) \div 8 = 2$ $4 \div 6 + 8 \div 6 = 2$	$(4 + 6 + 8) \div 6 = 3$	$4 + (6 - 6) \times 8 = 4$ $(6 - 4) \times 6 - 8 = 4$	$(4 + 6 \times 6) \div 8 = 5$ $(4 + 6) \div (8 - 6) = 5$
$4 \times (6 + 6) \div 8 = 6$ $4 \div 8 \times (6 + 6) = 6$	$4 + 6 \div (8 - 6) = 7$ $(6 \times 6 - 8) \div 4 = 7$	$4 + 6 + 6 - 8 = 8$ $4 \times (6 - 6) + 8 = 8$	$4 \times 6 \div 8 + 6 = 9$	$4 \times 6 - (6 + 8) = 10$ $4 \times 6 - 6 - 8 = 10$

4 6 6 9

$$\begin{aligned} 4 \div (6 \times 6 \div 9) &= 1 \\ 4 \div (6 \times 6) \times 9 &= 1 \\ 4 \div 6 \div 6 \times 9 &= 1 \end{aligned}$$

$$\begin{aligned} 4 + 6 \div (9 - 6) &= 6 \\ (4 + 6 - 9) \times 6 &= 6 \\ 4 \times (9 - 6) - 6 &= 6 \end{aligned}$$

$$\begin{aligned} (4 \times 6 - 6) \div 9 &= 2 \\ 4 - 6 \div (9 - 6) &= 2 \\ 4 \div 6 \times (9 - 6) &= 2 \end{aligned}$$

$$4 + 6 + 6 - 9 = 7$$

$$\begin{aligned} 4 \div (6 + 6) \times 9 &= 3 \\ 4 \times 9 \div (6 + 6) &= 3 \end{aligned}$$

$$\begin{aligned} 4 + 6 \times 6 \div 9 &= 8 \\ 4 \times 6 \div (9 - 6) &= 8 \end{aligned}$$

$$4 + (6 - 6) \times 9 = 4$$

$$\begin{aligned} 4 \times (6 - 6) + 9 &= 9 \\ 4 \times 6 - (6 + 9) &= 9 \\ 4 \times 6 - 6 - 9 &= 9 \end{aligned}$$

$$\begin{aligned} (4 \times 9 - 6) \div 6 &= 5 \\ 6 - 4 + 9 - 6 &= 5 \end{aligned}$$

$$\begin{aligned} 4 \div 6 \times (6 + 9) &= 10 \\ 4 \times (6 + 9) \div 6 &= 10 \end{aligned}$$

4 6 7 9

$$\begin{aligned} 4 \div (6 + 7 - 9) &= 1 \\ 4 - 6 \div (9 - 7) &= 1 \end{aligned}$$

$$\begin{aligned} (4 \times 9 + 6) \div 7 &= 6 \\ 6 \times 7 - 4 \times 9 &= 6 \end{aligned}$$

$$\begin{aligned} 4 \times (9 - 7) - 6 &= 2 \\ 6 \times (7 - 4) \div 9 &= 2 \end{aligned}$$

$$\begin{aligned} 4 + 6 \div (9 - 7) &= 7 \\ (4 + 6 - 9) \times 7 &= 7 \end{aligned}$$

$$\begin{aligned} 6 \div (4 + 7 - 9) &= 3 \\ 6 \div 4 \times (9 - 7) &= 3 \end{aligned}$$

$$\begin{aligned} 4 + 6 + 7 - 9 &= 8 \\ 4 \times 6 - (7 + 9) &= 8 \end{aligned}$$

$$\begin{aligned} 6 - 4 \div (9 - 7) &= 4 \\ 6 - 4 + 9 - 7 &= 4 \\ (6 - 4) \times (9 - 7) &= 4 \end{aligned}$$

$$\begin{aligned} 6 \times (7 - 4) - 9 &= 9 \\ 6 + 9 \div (7 - 4) &= 9 \end{aligned}$$

$$\begin{aligned} (4 + 6) \div (9 - 7) &= 5 \\ 4 \times (9 - 6) - 7 &= 5 \end{aligned}$$

$$6 + (7 + 9) \div 4 = 10$$

4 6 8 8

$$\begin{aligned} 4 \times (8 - 6) \div 8 &= 1 \\ 4 \div 8 \times (8 - 6) &= 1 \end{aligned}$$

$$\begin{aligned} 4 \times (8 - 8) + 6 &= 6 \\ (4 + 8) \div (8 - 6) &= 6 \end{aligned}$$

$$\begin{aligned} (4 \times 6 - 8) \div 8 &= 2 \\ 6 - (4 + 8 - 8) &= 2 \\ 6 \div (4 - 8 \div 8) &= 2 \end{aligned}$$

$$4 \times (6 + 8) \div 8 = 7$$

$$\begin{aligned} 6 - 4 + 8 \div 8 &= 3 \\ 6 \times (8 - 4) \div 8 &= 3 \end{aligned}$$

$$\begin{aligned} 4 \times 6 - (8 + 8) &= 8 \\ 4 \times 6 - 8 - 8 &= 8 \\ 4 + 8 \div (8 - 6) &= 8 \end{aligned}$$

$$\begin{aligned} 4 + 6 \times (8 - 8) &= 4 \\ (4 \times 6 + 8) \div 8 &= 4 \end{aligned}$$

$$\begin{aligned} 4 + 6 - 8 \div 8 &= 9 \\ (4 + 8) \times 6 \div 8 &= 9 \end{aligned}$$

$$8 - 4 \times 6 \div 8 = 5$$

$$\begin{aligned} 4 + 6 + 8 - 8 &= 10 \\ 4 + 6 \times 8 \div 8 &= 10 \end{aligned}$$

4 6 8 9

$$\begin{aligned} 6 - 4 + 8 - 9 &= 1 \\ 6 - (4 + 9 - 8) &= 1 \end{aligned}$$

$$\begin{aligned} (8 - 4) \div 6 \times 9 &= 6 \\ 8 \div 4 \times (9 - 6) &= 6 \end{aligned}$$

$$(4 + 6 + 8) \div 9 = 2$$

$$\begin{aligned} 4 \times 6 - (8 + 9) &= 7 \\ 4 \times 6 - 8 - 9 &= 7 \end{aligned}$$

$$\begin{aligned} 6 \div 4 \times 8 - 9 &= 3 \\ 6 - 4 + 9 - 8 &= 3 \end{aligned}$$

$$\begin{aligned} (4 + 6 - 9) \times 8 &= 8 \\ (4 + 8) \times 6 \div 9 &= 8 \end{aligned}$$

$$\begin{aligned} (4 + 8) \div (9 - 6) &= 4 \\ 4 \times (9 - 6) - 8 &= 4 \end{aligned}$$

$$4 + 6 + 8 - 9 = 9$$

$$\begin{aligned} 8 \div 4 + 9 - 6 &= 5 \\ 9 - 6 + 8 \div 4 &= 5 \end{aligned}$$

$$\begin{aligned} 4 + 6 \times (9 - 8) &= 10 \\ (4 + 6) \times (9 - 8) &= 10 \end{aligned}$$

5 5 5 6

$$\begin{aligned} (5 + 5 \div 5) \div 6 &= 1 \\ 5 \div (5 \times (6 - 5)) &= 1 \end{aligned}$$

$$5 \times (5 - 5) + 6 = 6$$

$$\begin{aligned} 5 \div 5 + 6 - 5 &= 2 \\ 6 + 5 \div 5 - 5 &= 2 \end{aligned}$$

$$(5 + 5 \times 6) \div 5 = 7$$

$$\begin{aligned} 5 \div (5 + 5) \times 6 &= 3 \\ 5 \times 6 \div (5 + 5) &= 3 \end{aligned}$$

$$(5 + 5) \div 5 + 6 = 8$$

$$6 - (5 + 5) \div 5 = 4$$

$$5 + 5 + 5 - 6 = 9$$

$$\begin{aligned} 5 + (5 - 5) \times 6 &= 5 \\ (5 + 5 \times 5) \div 6 &= 5 \end{aligned}$$

$$\begin{aligned} 5 - 5 \div 5 + 6 &= 10 \\ 5 + 5 \times (6 - 5) &= 10 \\ (5 + 5) \times (6 - 5) &= 10 \end{aligned}$$

5 5 6 7

$$\begin{aligned} (5 \div 5 + 6) \div 7 &= 1 \\ 5 \div (5 \times (7 - 6)) &= 1 \\ 5 - 5 + 7 - 6 &= 1 \end{aligned}$$

$$(5 - 5) \times 7 + 6 = 6$$

$$\begin{aligned} 5 \div 5 + 7 - 6 &= 2 \\ 5 - 6 \div (7 - 5) &= 2 \end{aligned}$$

$$\begin{aligned} (5 - 5) \times 6 + 7 &= 7 \\ 5 + (5 + 7) \div 6 &= 7 \end{aligned}$$

$$\begin{aligned} 5 - (5 + 7) \div 6 &= 3 \\ (5 \times 5 - 7) \div 6 &= 3 \end{aligned}$$

$$5 + 6 \div (7 - 5) = 8$$

$$5 \times (7 - 5) - 6 = 4$$

$$5 + 5 + 6 - 7 = 9$$

$$(5 + 5 \times 6) \div 7 = 5$$

$$\begin{aligned} 5 + 5 \times (7 - 6) &= 10 \\ 5 \times (5 + 7) \div 6 &= 10 \end{aligned}$$

5 5 6 8

$$\begin{aligned} 8 - (5 \div 5 + 6) &= 1 \\ 8 - 5 \div 5 - 6 &= 1 \end{aligned}$$

$$(5 - 5) \times 8 + 6 = 6$$

$$\begin{aligned} (5 + 5 + 6) \div 8 &= 2 \\ 5 - 5 + 8 - 6 &= 2 \end{aligned}$$

$$5 + 6 \div (8 - 5) = 7$$

$$\begin{aligned} (5 + 5 + 8) \div 6 &= 3 \\ 5 \div 5 + 8 - 6 &= 3 \end{aligned}$$

$$5 + 5 + 6 - 8 = 8$$

$$6 - 5 + 8 - 5 = 4$$

$$5 \times (8 - 5) - 6 = 9$$

$$\begin{aligned} (5 + 5) \div (8 - 6) &= 5 \\ 5 \times (8 - 6) - 5 &= 5 \end{aligned}$$

$$5 \times 6 \div (8 - 5) = 10$$

5 5 7 8

$$\begin{aligned} (5 \div 5 + 7) \div 8 &= 1 \\ 5 \div (5 \times (8 - 7)) &= 1 \\ 5 - 5 + 8 - 7 &= 1 \end{aligned}$$

$$(7 - 5) \times (8 - 5) = 6$$

$$\begin{aligned} 5 \div 5 + 8 - 7 &= 2 \\ 5 \times (7 - 5) - 8 &= 2 \end{aligned}$$

$$(5 - 5) \times 8 + 7 = 7$$

$$7 \div 5 + 8 \div 5 = 3$$

$$\begin{aligned} (5 - 5) \times 7 + 8 &= 8 \\ 5 + (7 + 8) \div 5 &= 8 \\ 5 \times (8 - 5) - 7 &= 8 \end{aligned}$$

$$\begin{aligned} (5 \times 5 + 7) \div 8 &= 4 \\ (5 + 7 + 8) \div 5 &= 4 \\ (5 + 7) \div (8 - 5) &= 4 \end{aligned}$$

$$5 + 5 + 7 - 8 = 9$$

$$(5 + 5 \times 7) \div 8 = 5$$

$$\begin{aligned} 5 \times 5 - (7 + 8) &= 10 \\ 5 \times 5 - 7 - 8 &= 10 \\ 5 + 5 \times (8 - 7) &= 10 \end{aligned}$$

5 6 6 7

$5 \div (6 + 6 - 7) = 1$ $(5 + 7 - 6) \div 6 = 1$ $(5 + 7) \div (6 + 6) = 1$	$5 \div 6 + 7 \div 6 = 2$ $6 - 5 + 7 - 6 = 2$	$(5 + 6 + 7) \div 6 = 3$	$6 - (5 + 7) \div 6 = 4$	$5 + (6 - 6) \times 7 = 5$
$(6 + 6) \div (7 - 5) = 6$ $6 \times (7 - 5) - 6 = 6$	$5 \times (6 - 6) + 7 = 7$	$(5 + 7) \div 6 + 6 = 8$	$6 + 6 \div (7 - 5) = 9$	$5 + 6 + 6 - 7 = 10$

5 6 7 7

$5 \div (6 - 7 \div 7) = 1$ $(5 + 7 \div 7) \div 6 = 1$ $6 - (5 + 7 - 7) = 1$	$6 - 5 + 7 \div 7 = 2$ $6 + 7 \div 7 - 5 = 2$ $7 - 5 \times (7 - 6) = 2$	$7 - 5 + 7 - 6 = 3$	$(6 + 7 + 7) \div 5 = 4$ $7 - 6 \div (7 - 5) = 4$	$5 + 6 \times (7 - 7) = 5$ $6 \times (7 - 5) - 7 = 5$
$5 \times (7 - 7) + 6 = 6$	$(5 \times 7 + 7) \div 6 = 7$ $6 \times 7 - 5 \times 7 = 7$	$(7 - 5) \times 7 - 6 = 8$	$(5 + 7) \div 6 + 7 = 9$ $(5 + 7 \times 7) \div 6 = 9$	$5 + 6 - 7 \div 7 = 10$

5 6 7 9

$5 + 9 - 6 - 7 = 1$ $5 + 9 - (6 + 7) = 1$	$(5 + 6 + 7) \div 9 = 2$ $5 - 6 \div (9 - 7) = 2$	$(5 \times 6 - 9) \div 7 = 3$ $5 \times 9 - 6 \times 7 = 3$	$(5 + 7) \div (9 - 6) = 4$ $5 \times (9 - 7) - 6 = 4$ $6 - (5 + 9) \div 7 = 4$	$7 - 5 + 9 - 6 = 5$
$(7 - 5) \times (9 - 6) = 6$ $9 - 6 \div (7 - 5) = 6$	$(6 \times 9 - 5) \div 7 = 7$ $6 \times (9 - 7) - 5 = 7$ $9 - (5 + 7) \div 6 = 7$	$5 + 6 \div (9 - 7) = 8$ $(5 + 7) \times 6 \div 9 = 8$	$5 + 6 + 7 - 9 = 9$	$(6 + 9) \div 5 + 7 = 10$

5 6 8 9

$5 \div (6 + 8 - 9) = 1$ $5 \times (8 - 6) - 9 = 1$	$6 - 5 + 9 - 8 = 2$ $6 \times (8 - 5) \div 9 = 2$	$6 \times 8 - 5 \times 9 = 3$ $6 \div 8 \times (9 - 5) = 3$	$6 - 8 \div (9 - 5) = 4$ $8 \div (5 + 6 - 9) = 4$	$(6 + 9) \div (8 - 5) = 5$ $8 - (6 + 9) \div 5 = 5$
$8 - 5 + 9 - 6 = 6$	$5 \times (9 - 6) - 8 = 7$ $(5 + 9) \div (8 - 6) = 7$ $8 \div 6 \times 9 - 5 = 7$	$6 + 8 \div (9 - 5) = 8$ $(8 - 6) \times (9 - 5) = 8$	$6 \times (8 - 5) - 9 = 9$ $6 + 9 \div (8 - 5) = 9$	$5 + 6 + 8 - 9 = 10$