

解答

1. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 (1) \frac{56}{60} = \frac{14}{15} = \frac{98}{105} = \frac{84}{90} & (2) \frac{54}{60} = \frac{63}{70} = \frac{9}{10} = \frac{18}{20} \\
 (3) \frac{21}{70} = \frac{12}{40} = \frac{3}{10} = \frac{18}{60} & (4) \frac{32}{42} = \frac{112}{147} = \frac{80}{105} = \frac{16}{21} \\
 (5) \frac{12}{80} = \frac{3}{20} = \frac{15}{100} = \frac{21}{140} & (6) \frac{18}{84} = \frac{12}{56} = \frac{21}{98} = \frac{3}{14} \\
 (7) \frac{16}{30} = \frac{48}{90} = \frac{8}{15} = \frac{56}{105} & (8) \frac{34}{36} = \frac{119}{126} = \frac{102}{108} = \frac{17}{18} \\
 (9) \frac{10}{65} = \frac{14}{91} = \frac{2}{13} = \frac{4}{26} & (10) \frac{55}{60} = \frac{77}{84} = \frac{44}{48} = \frac{11}{12} \\
 (11) \frac{36}{64} = \frac{45}{80} = \frac{9}{16} = \frac{63}{112} & (12) \frac{26}{46} = \frac{78}{138} = \frac{65}{115} = \frac{13}{23} \\
 (13) \frac{10}{75} = \frac{12}{90} = \frac{2}{15} = \frac{4}{30} & (14) \frac{14}{20} = \frac{42}{60} = \frac{7}{10} = \frac{35}{50}
 \end{array}$$

3. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 (1) \frac{10}{48} = \frac{30}{144} = \frac{25}{120} = \frac{5}{24} & (2) \frac{10}{28} = \frac{30}{84} = \frac{5}{14} = \frac{35}{98} \\
 (3) \frac{18}{96} = \frac{3}{16} = \frac{12}{64} = \frac{15}{80} & (4) \frac{22}{30} = \frac{11}{15} = \frac{66}{90} = \frac{77}{105} \\
 (5) \frac{20}{84} = \frac{25}{105} = \frac{5}{21} = \frac{35}{147} & (6) \frac{32}{60} = \frac{48}{90} = \frac{8}{15} = \frac{56}{105} \\
 (7) \frac{22}{32} = \frac{55}{80} = \frac{11}{16} = \frac{66}{96} & (8) \frac{14}{36} = \frac{42}{108} = \frac{7}{18} = \frac{49}{126} \\
 (9) \frac{12}{56} = \frac{3}{14} = \frac{18}{84} = \frac{21}{98} & (10) \frac{14}{105} = \frac{2}{15} = \frac{8}{60} = \frac{10}{75} \\
 (11) \frac{20}{42} = \frac{50}{105} = \frac{60}{126} = \frac{10}{21} & (12) \frac{14}{26} = \frac{35}{65} = \frac{49}{91} = \frac{7}{13} \\
 (13) \frac{10}{36} = \frac{35}{126} = \frac{5}{18} = \frac{25}{90} & (14) \frac{14}{24} = \frac{49}{84} = \frac{7}{12} = \frac{35}{60}
 \end{array}$$

5. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 (1) \frac{25}{60} = \frac{35}{84} = \frac{20}{48} = \frac{5}{12} & (2) \frac{40}{55} = \frac{56}{77} = \frac{32}{44} = \frac{8}{11} \\
 (3) \frac{44}{72} = \frac{11}{18} = \frac{55}{90} = \frac{77}{126} & (4) \frac{12}{64} = \frac{21}{112} = \frac{15}{80} = \frac{3}{16} \\
 (5) \frac{45}{70} = \frac{9}{14} = \frac{18}{28} = \frac{63}{98} & (6) \frac{14}{40} = \frac{42}{120} = \frac{35}{100} = \frac{7}{20} \\
 (7) \frac{36}{66} = \frac{30}{55} = \frac{6}{11} = \frac{12}{22} & (8) \frac{14}{77} = \frac{8}{44} = \frac{2}{11} = \frac{10}{55} \\
 (9) \frac{14}{105} = \frac{10}{75} = \frac{8}{60} = \frac{2}{15} & (10) \frac{14}{26} = \frac{49}{91} = \frac{7}{13} = \frac{42}{78} \\
 (11) \frac{25}{90} = \frac{5}{18} = \frac{20}{72} = \frac{35}{126} & (12) \frac{14}{32} = \frac{49}{112} = \frac{42}{96} = \frac{7}{16} \\
 (13) \frac{44}{64} = \frac{11}{16} = \frac{66}{96} = \frac{77}{112} & (14) \frac{20}{84} = \frac{5}{21} = \frac{25}{105} = \frac{35}{147}
 \end{array}$$

7. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 (1) \frac{44}{60} = \frac{11}{15} = \frac{55}{75} = \frac{66}{90} & (2) \frac{40}{75} = \frac{8}{15} = \frac{32}{60} = \frac{48}{90} \\
 (3) \frac{38}{46} = \frac{95}{115} = \frac{19}{23} = \frac{114}{138} & (4) \frac{45}{65} = \frac{63}{91} = \frac{9}{13} = \frac{36}{52} \\
 (5) \frac{28}{80} = \frac{35}{100} = \frac{7}{20} = \frac{42}{120} & (6) \frac{21}{98} = \frac{3}{14} = \frac{15}{70} = \frac{6}{28} \\
 (7) \frac{8}{60} = \frac{10}{75} = \frac{2}{15} = \frac{14}{105} & (8) \frac{55}{60} = \frac{66}{72} = \frac{11}{12} = \frac{22}{24} \\
 (9) \frac{25}{80} = \frac{5}{16} = \frac{35}{112} = \frac{20}{64} & (10) \frac{10}{26} = \frac{5}{13} = \frac{25}{65} = \frac{35}{91} \\
 (11) \frac{12}{78} = \frac{10}{65} = \frac{2}{13} = \frac{8}{52} & (12) \frac{28}{60} = \frac{42}{90} = \frac{7}{15} = \frac{35}{75} \\
 (13) \frac{38}{42} = \frac{19}{21} = \frac{95}{105} = \frac{133}{147} & (14) \frac{26}{30} = \frac{13}{15} = \frac{91}{105} = \frac{78}{90}
 \end{array}$$

2. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 (1) \frac{52}{64} = \frac{91}{112} = \frac{13}{16} = \frac{65}{80} & (2) \frac{42}{72} = \frac{7}{12} = \frac{14}{24} = \frac{35}{60} \\
 (3) \frac{42}{66} = \frac{35}{55} = \frac{7}{11} = \frac{28}{44} & (4) \frac{20}{44} = \frac{5}{11} = \frac{35}{77} = \frac{30}{66} \\
 (5) \frac{40}{55} = \frac{16}{22} = \frac{48}{66} = \frac{8}{11} & (6) \frac{14}{40} = \frac{49}{140} = \frac{42}{120} = \frac{7}{20} \\
 (7) \frac{16}{84} = \frac{28}{147} = \frac{4}{21} = \frac{20}{105} & (8) \frac{18}{26} = \frac{54}{78} = \frac{9}{13} = \frac{63}{91} \\
 (9) \frac{34}{40} = \frac{85}{100} = \frac{119}{140} = \frac{17}{20} & (10) \frac{25}{60} = \frac{20}{48} = \frac{5}{12} = \frac{35}{84} \\
 (11) \frac{12}{40} = \frac{3}{10} = \frac{15}{50} = \frac{21}{70} & (12) \frac{22}{26} = \frac{11}{13} = \frac{55}{65} = \frac{77}{91} \\
 (13) \frac{12}{26} = \frac{30}{65} = \frac{42}{91} = \frac{6}{13} & (14) \frac{45}{50} = \frac{63}{70} = \frac{36}{40} = \frac{9}{10}
 \end{array}$$

4. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 (1) \frac{20}{26} = \frac{10}{13} = \frac{60}{78} = \frac{70}{91} & (2) \frac{49}{70} = \frac{35}{50} = \frac{28}{40} = \frac{7}{10} \\
 (3) \frac{18}{40} = \frac{54}{120} = \frac{45}{100} = \frac{9}{20} & (4) \frac{52}{64} = \frac{13}{16} = \frac{65}{80} = \frac{91}{112} \\
 (5) \frac{55}{60} = \frac{22}{24} = \frac{11}{12} = \frac{66}{72} & (6) \frac{45}{50} = \frac{9}{10} = \frac{54}{60} = \frac{18}{20} \\
 (7) \frac{18}{60} = \frac{3}{10} = \frac{21}{70} = \frac{6}{20} & (8) \frac{14}{22} = \frac{7}{11} = \frac{49}{77} = \frac{42}{66} \\
 (9) \frac{26}{28} = \frac{78}{84} = \frac{13}{14} = \frac{91}{98} & (10) \frac{4}{46} = \frac{10}{115} = \frac{12}{138} = \frac{2}{23} \\
 (11) \frac{30}{66} = \frac{25}{55} = \frac{10}{22} = \frac{5}{11} & (12) \frac{40}{75} = \frac{8}{15} = \frac{16}{30} = \frac{48}{90} \\
 (13) \frac{25}{70} = \frac{35}{98} = \frac{5}{14} = \frac{20}{56} & (14) \frac{10}{26} = \frac{5}{13} = \frac{25}{65} = \frac{30}{78}
 \end{array}$$

6. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 (1) \frac{34}{36} = \frac{17}{18} = \frac{85}{90} = \frac{102}{108} & (2) \frac{42}{60} = \frac{35}{50} = \frac{7}{10} = \frac{14}{20} \\
 (3) \frac{54}{60} = \frac{18}{20} = \frac{9}{10} = \frac{45}{50} & (4) \frac{18}{66} = \frac{6}{22} = \frac{15}{55} = \frac{3}{11} \\
 (5) \frac{14}{24} = \frac{7}{12} = \frac{49}{84} = \frac{35}{60} & (6) \frac{15}{50} = \frac{21}{70} = \frac{3}{10} = \frac{6}{20} \\
 (7) \frac{14}{36} = \frac{7}{18} = \frac{49}{126} = \frac{42}{108} & (8) \frac{35}{84} = \frac{25}{60} = \frac{5}{12} = \frac{20}{48} \\
 (9) \frac{8}{30} = \frac{24}{90} = \frac{4}{15} = \frac{20}{75} & (10) \frac{10}{28} = \frac{30}{84} = \frac{35}{98} = \frac{5}{14} \\
 (11) \frac{22}{36} = \frac{77}{126} = \frac{66}{108} = \frac{11}{18} & (12) \frac{40}{44} = \frac{70}{77} = \frac{60}{66} = \frac{10}{11} \\
 (13) \frac{12}{92} = \frac{15}{115} = \frac{3}{23} = \frac{18}{138} & (14) \frac{32}{52} = \frac{40}{65} = \frac{8}{13} = \frac{56}{91}
 \end{array}$$

8. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 (1) \frac{14}{20} = \frac{7}{10} = \frac{35}{50} = \frac{49}{70} & (2) \frac{54}{60} = \frac{18}{20} = \frac{9}{10} = \frac{45}{50} \\
 (3) \frac{30}{55} = \frac{6}{11} = \frac{36}{66} = \frac{12}{22} & (4) \frac{25}{55} = \frac{30}{66} = \frac{5}{11} = \frac{10}{22} \\
 (5) \frac{28}{30} = \frac{14}{15} = \frac{70}{75} = \frac{98}{105} & (6) \frac{12}{40} = \frac{3}{10} = \frac{18}{60} = \frac{21}{70} \\
 (7) \frac{28}{72} = \frac{49}{126} = \frac{7}{18} = \frac{35}{90} & (8) \frac{24}{90} = \frac{28}{105} = \frac{16}{60} = \frac{4}{15} \\
 (9) \frac{30}{84} = \frac{10}{28} = \frac{25}{70} = \frac{5}{14} & (10) \frac{20}{92} = \frac{5}{23} = \frac{25}{115} = \frac{30}{138} \\
 (11) \frac{26}{46} = \frac{65}{115} = \frac{78}{138} = \frac{13}{23} & (12) \frac{36}{80} = \frac{45}{100} = \frac{54}{120} = \frac{9}{20} \\
 (13) \frac{28}{80} = \frac{35}{100} = \frac{7}{20} = \frac{49}{140} & (14) \frac{36}{46} = \frac{18}{23} = \frac{108}{138} = \frac{90}{115}
 \end{array}$$

9. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 \text{(1)} \frac{35}{84} = \frac{20}{48} = \frac{30}{72} = \frac{5}{12} & \text{(2)} \frac{28}{48} = \frac{35}{60} = \frac{7}{12} = \frac{42}{72} \\
 \text{(3)} \frac{15}{100} = \frac{3}{20} = \frac{6}{40} = \frac{21}{140} & \text{(4)} \frac{32}{60} = \frac{8}{15} = \frac{48}{90} = \frac{40}{75} \\
 \text{(5)} \frac{50}{55} = \frac{10}{11} = \frac{20}{22} = \frac{60}{66} & \text{(6)} \frac{12}{78} = \frac{8}{52} = \frac{14}{91} = \frac{2}{13} \\
 \text{(7)} \frac{14}{32} = \frac{35}{80} = \frac{7}{16} = \frac{42}{96} & \text{(8)} \frac{30}{32} = \frac{90}{96} = \frac{15}{16} = \frac{75}{80} \\
 \text{(9)} \frac{12}{26} = \frac{36}{78} = \frac{6}{13} = \frac{30}{65} & \text{(10)} \frac{14}{105} = \frac{10}{75} = \frac{8}{60} = \frac{2}{15} \\
 \text{(11)} \frac{49}{70} = \frac{42}{60} = \frac{28}{40} = \frac{7}{10} & \text{(12)} \frac{20}{65} = \frac{4}{13} = \frac{16}{52} = \frac{28}{91} \\
 \text{(13)} \frac{45}{50} = \frac{9}{10} = \frac{18}{20} = \frac{54}{60} & \text{(14)} \frac{48}{66} = \frac{8}{11} = \frac{32}{44} = \frac{40}{55}
 \end{array}$$

11. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 \text{(1)} \frac{21}{91} = \frac{12}{52} = \frac{15}{65} = \frac{3}{13} & \text{(2)} \frac{12}{26} = \frac{36}{78} = \frac{6}{13} = \frac{42}{91} \\
 \text{(3)} \frac{14}{77} = \frac{2}{11} = \frac{10}{55} = \frac{4}{22} & \text{(4)} \frac{26}{32} = \frac{13}{16} = \frac{91}{112} = \frac{78}{96} \\
 \text{(5)} \frac{14}{105} = \frac{12}{90} = \frac{2}{15} = \frac{4}{30} & \text{(6)} \frac{6}{28} = \frac{21}{98} = \frac{3}{14} = \frac{18}{84} \\
 \text{(7)} \frac{25}{80} = \frac{20}{64} = \frac{5}{16} = \frac{35}{112} & \text{(8)} \frac{14}{22} = \frac{49}{77} = \frac{35}{55} = \frac{7}{11} \\
 \text{(9)} \frac{49}{70} = \frac{35}{50} = \frac{7}{10} = \frac{28}{40} & \text{(10)} \frac{35}{80} = \frac{7}{16} = \frac{49}{112} = \frac{14}{32} \\
 \text{(11)} \frac{22}{26} = \frac{77}{91} = \frac{66}{78} = \frac{11}{13} & \text{(12)} \frac{14}{36} = \frac{49}{126} = \frac{35}{90} = \frac{7}{18} \\
 \text{(13)} \frac{35}{60} = \frac{7}{12} = \frac{42}{72} = \frac{28}{48} & \text{(14)} \frac{20}{42} = \frac{10}{21} = \frac{50}{105} = \frac{60}{126}
 \end{array}$$

10. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 \text{(1)} \frac{34}{36} = \frac{17}{18} = \frac{85}{90} = \frac{102}{108} & \text{(2)} \frac{18}{46} = \frac{54}{138} = \frac{45}{115} = \frac{9}{23} \\
 \text{(3)} \frac{35}{75} = \frac{28}{60} = \frac{7}{15} = \frac{49}{105} & \text{(4)} \frac{18}{32} = \frac{54}{96} = \frac{9}{16} = \frac{45}{80} \\
 \text{(5)} \frac{22}{36} = \frac{66}{108} = \frac{11}{18} = \frac{77}{126} & \text{(6)} \frac{18}{60} = \frac{3}{10} = \frac{21}{70} = \frac{12}{40} \\
 \text{(7)} \frac{30}{66} = \frac{25}{55} = \frac{10}{22} = \frac{5}{11} & \text{(8)} \frac{26}{30} = \frac{91}{105} = \frac{13}{15} = \frac{78}{90} \\
 \text{(9)} \frac{25}{70} = \frac{10}{28} = \frac{5}{14} = \frac{30}{84} & \text{(10)} \frac{44}{48} = \frac{77}{84} = \frac{11}{12} = \frac{55}{60} \\
 \text{(11)} \frac{18}{96} = \frac{15}{80} = \frac{12}{64} = \frac{3}{16} & \text{(12)} \frac{16}{30} = \frac{56}{105} = \frac{8}{15} = \frac{48}{90} \\
 \text{(13)} \frac{30}{72} = \frac{35}{84} = \frac{5}{12} = \frac{20}{48} & \text{(14)} \frac{10}{46} = \frac{5}{23} = \frac{25}{115} = \frac{30}{138}
 \end{array}$$

12. 約分と倍分 B 2018/7/23

$$\begin{array}{ll}
 \text{(1)} \frac{45}{65} = \frac{63}{91} = \frac{36}{52} = \frac{9}{13} & \text{(2)} \frac{34}{36} = \frac{102}{108} = \frac{17}{18} = \frac{119}{126} \\
 \text{(3)} \frac{22}{24} = \frac{11}{12} = \frac{55}{60} = \frac{77}{84} & \text{(4)} \frac{24}{90} = \frac{16}{60} = \frac{4}{15} = \frac{20}{75} \\
 \text{(5)} \frac{30}{72} = \frac{20}{48} = \frac{25}{60} = \frac{5}{12} & \text{(6)} \frac{45}{50} = \frac{36}{40} = \frac{54}{60} = \frac{9}{10} \\
 \text{(7)} \frac{15}{50} = \frac{18}{60} = \frac{3}{10} = \frac{12}{40} & \text{(8)} \frac{12}{80} = \frac{18}{120} = \frac{21}{140} = \frac{3}{20} \\
 \text{(9)} \frac{16}{84} = \frac{24}{126} = \frac{28}{147} = \frac{4}{21} & \text{(10)} \frac{35}{75} = \frac{14}{30} = \frac{7}{15} = \frac{42}{90} \\
 \text{(11)} \frac{8}{44} = \frac{14}{77} = \frac{12}{66} = \frac{2}{11} & \text{(12)} \frac{22}{30} = \frac{55}{75} = \frac{66}{90} = \frac{11}{15} \\
 \text{(13)} \frac{36}{64} = \frac{45}{80} = \frac{54}{96} = \frac{9}{16} & \text{(14)} \frac{35}{77} = \frac{10}{22} = \frac{5}{11} = \frac{25}{55}
 \end{array}$$