

(分数)÷(分数)のわり算  
約分あり

◆ わり算をしましょう。

$$\begin{aligned} \textcircled{1} \quad \frac{2}{3} \div \frac{4}{5} &= \frac{2}{3} \times \frac{5}{4} \\ &= \frac{\overset{1}{\cancel{2}} \times 5}{3 \times \underset{2}{\cancel{4}}} = \frac{5}{6} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{5}{9} \div \frac{5}{8} &= \frac{5}{9} \times \frac{8}{5} \\ &= \frac{\overset{1}{\cancel{5}} \times 8}{9 \times \underset{1}{\cancel{5}}} = \frac{8}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{1}{6} \div \frac{2}{3} &= \frac{1}{6} \times \frac{3}{2} \\ &= \frac{1 \times \overset{1}{\cancel{3}}}{\underset{2}{\cancel{6}} \times 2} = \frac{1}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad \frac{9}{5} \div \frac{7}{10} &= \frac{9}{5} \times \frac{10}{7} \\ &= \frac{9 \times \overset{2}{\cancel{10}}}{\underset{1}{\cancel{5}} \times 7} = \frac{18}{7} \left( 2\frac{4}{7} \right) \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{5}{8} \div \frac{7}{12} &= \frac{5}{8} \times \frac{12}{7} \\ &= \frac{5 \times \overset{3}{\cancel{12}}}{\underset{2}{\cancel{8}} \times 7} = \frac{15}{14} \left( 1\frac{1}{14} \right) \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{3}{2} \div \frac{9}{8} &= \frac{3}{2} \times \frac{8}{9} \\ &= \frac{\overset{1}{\cancel{3}} \times \overset{4}{\cancel{8}}}{\underset{1}{\cancel{2}} \times \underset{3}{\cancel{9}}} = \frac{4}{3} \left( 1\frac{1}{3} \right) \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{5}{12} \div \frac{10}{9} &= \frac{5}{12} \times \frac{9}{10} \\ &= \frac{\overset{1}{\cancel{5}} \times \overset{3}{\cancel{9}}}{\underset{4}{\cancel{12}} \times \underset{2}{\cancel{10}}} = \frac{3}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{9}{14} \div \frac{15}{7} &= \frac{9}{14} \times \frac{7}{15} \\ &= \frac{\overset{3}{\cancel{9}} \times \overset{1}{\cancel{7}}}{\underset{2}{\cancel{14}} \times \underset{5}{\cancel{15}}} = \frac{3}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad \frac{8}{3} \div \frac{4}{21} &= \frac{8}{3} \times \frac{21}{4} \\ &= \frac{\overset{2}{\cancel{8}} \times \overset{7}{\cancel{21}}}{\underset{1}{\cancel{3}} \times \underset{1}{\cancel{4}}} = 14 \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad \frac{27}{100} \div \frac{3}{20} &= \frac{27}{100} \times \frac{20}{3} \\ &= \frac{\overset{9}{\cancel{27}} \times \overset{1}{\cancel{20}}}{\underset{5}{\cancel{100}} \times \underset{1}{\cancel{3}}} = \frac{9}{5} \left( 1\frac{4}{5} \right) \end{aligned}$$