

(分数)÷(分数)のわり算

◆ わり算をしましょう。

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

$$\begin{aligned} \textcircled{2} \quad \frac{2}{9} \div \frac{5}{2} &= \frac{2}{9} \times \frac{2}{5} \\ &= \frac{2 \times 2}{9 \times 5} = \frac{4}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{5}{7} \div \frac{7}{8} &= \frac{5}{7} \times \frac{8}{7} \\ &= \frac{5 \times 8}{7 \times 7} = \frac{40}{49} \end{aligned}$$

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

$$\begin{aligned} \textcircled{5} \quad \frac{8}{21} \div \frac{16}{9} &= \frac{8}{21} \times \frac{9}{16} \\ &= \frac{\overset{1}{\cancel{8}} \times \overset{3}{\cancel{9}}}{\underset{7}{\cancel{21}} \times \underset{2}{\cancel{16}}} = \frac{3}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{14}{15} \div \frac{21}{20} &= \frac{14}{15} \times \frac{20}{21} \\ &= \frac{\overset{2}{\cancel{14}} \times \overset{4}{\cancel{20}}}{\underset{3}{\cancel{15}} \times \underset{3}{\cancel{21}}} = \frac{8}{9} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 7 \div \frac{4}{5} &= \frac{7}{1} \times \frac{5}{4} \\ &= \frac{7 \times 5}{1 \times 4} = \frac{35}{4} \left( 8 \frac{3}{4} \right) \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{3}{8} \div 9 &= \frac{3}{8} \times \frac{1}{9} \\ &= \frac{\overset{1}{\cancel{3}} \times 1}{8 \times \underset{3}{\cancel{9}}} = \frac{1}{24} \end{aligned}$$

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

$$\begin{aligned} \textcircled{10} \quad 3\frac{1}{5} \div 4\frac{4}{5} &= \frac{16}{5} \times \frac{5}{24} \\ &= \frac{\overset{2}{\cancel{16}} \times \overset{1}{\cancel{5}}}{\underset{1}{\cancel{5}} \times \underset{3}{\cancel{24}}} = \frac{2}{3} \end{aligned}$$