

整数・帯分数をふくむわり算

◆ わり算をしましょう。

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

$$\begin{aligned} \textcircled{2} \quad 3 \div \frac{5}{8} &= \frac{3}{1} \times \frac{8}{5} \\ &= \frac{3 \times 8}{1 \times 5} = \frac{24}{5} \left( 4 \frac{4}{5} \right) \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 12 \div \frac{9}{8} &= \frac{12}{1} \times \frac{8}{9} \\ &= \frac{\overset{4}{\cancel{12}} \times 8}{1 \times \underset{3}{\cancel{9}}} = \frac{32}{3} \left( 10 \frac{2}{3} \right) \end{aligned}$$

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

$$\begin{aligned} \textcircled{5} \quad \frac{6}{7} \div 3 &= \frac{6}{7} \times \frac{1}{3} \\ &= \frac{\overset{2}{\cancel{6}} \times 1}{7 \times \underset{1}{\cancel{3}}} = \frac{2}{7} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 1 \frac{3}{4} \div \frac{7}{9} &= \frac{7}{4} \times \frac{9}{7} \\ &= \frac{\overset{1}{\cancel{7}} \times 9}{4 \times \underset{1}{\cancel{7}}} = \frac{9}{4} \left( 2 \frac{1}{4} \right) \end{aligned}$$

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

$$\begin{aligned} \textcircled{8} \quad \frac{14}{15} \div 2 \frac{2}{9} &= \frac{14}{15} \times \frac{9}{20} \\ &= \frac{\overset{7}{\cancel{14}} \times \overset{3}{\cancel{9}}}{\underset{5}{\cancel{15}} \times \underset{10}{\cancel{20}}} = \frac{21}{50} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 4 \frac{2}{3} \div 1 \frac{7}{9} &= \frac{14}{3} \times \frac{9}{16} \\ &= \frac{\overset{7}{\cancel{14}} \times \overset{3}{\cancel{9}}}{\underset{1}{\cancel{3}} \times \underset{8}{\cancel{16}}} = \frac{21}{8} \left( 2 \frac{5}{8} \right) \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 1 \frac{7}{8} \div 1 \frac{11}{16} &= \frac{15}{8} \times \frac{16}{27} \\ &= \frac{\overset{5}{\cancel{15}} \times \overset{2}{\cancel{16}}}{\underset{1}{\cancel{8}} \times \underset{9}{\cancel{27}}} = \frac{10}{9} \left( 1 \frac{1}{9} \right) \end{aligned}$$