

分数のかけ算とわり算が混ざった計算

◆ 計算をしましょう。

$$\textcircled{1} \quad \frac{1}{2} \times \frac{3}{7} \div \frac{4}{5} = \frac{1}{2} \times \frac{3}{7} \times \frac{5}{4}$$

$$= \frac{1 \times 3 \times 5}{2 \times 7 \times 4} = \frac{15}{56}$$

$$\textcircled{2} \quad \frac{2}{3} \times \frac{1}{5} \div \frac{3}{7} = \frac{2}{3} \times \frac{1}{5} \times \frac{7}{3}$$

$$= \frac{2 \times 1 \times 7}{3 \times 5 \times 3} = \frac{14}{45}$$

$$\textcircled{3} \quad \frac{1}{4} \times \frac{5}{6} \div \frac{9}{4} = \frac{1}{4} \times \frac{5}{6} \times \frac{4}{9}$$

$$= \frac{1 \times 5 \times \overset{1}{\cancel{4}}}{\underset{1}{\cancel{4}} \times 6 \times 9} = \frac{5}{54}$$

$$\textcircled{4} \quad \frac{3}{8} \times \frac{4}{5} \div \frac{5}{9} = \frac{3}{8} \times \frac{4}{5} \times \frac{9}{5}$$

$$= \frac{3 \times \overset{1}{\cancel{4}} \times 9}{\underset{2}{\cancel{8}} \times 5 \times 5} = \frac{27}{50}$$

$$\textcircled{5} \quad \frac{5}{6} \times 2 \frac{1}{4} \div \frac{5}{7} = \frac{5}{6} \times \frac{9}{4} \times \frac{7}{5}$$

$$= \frac{\overset{1}{\cancel{5}} \times \overset{3}{\cancel{9}} \times 7}{\underset{2}{\cancel{6}} \times 4 \times \underset{1}{\cancel{5}}} = \frac{21}{8} \left( 2 \frac{5}{8} \right)$$

$$\textcircled{6} \quad \frac{2}{9} \div \frac{1}{5} \times \frac{3}{5} = \frac{2}{9} \times \frac{5}{1} \times \frac{3}{5}$$

$$= \frac{2 \times \overset{1}{\cancel{5}} \times \overset{1}{\cancel{3}}}{\underset{3}{\cancel{9}} \times 1 \times \underset{1}{\cancel{5}}} = \frac{2}{3}$$

$$\textcircled{7} \quad \frac{3}{5} \div \frac{6}{7} \times \frac{5}{8} = \frac{3}{5} \times \frac{7}{6} \times \frac{5}{8}$$

$$= \frac{\overset{1}{\cancel{3}} \times 7 \times \overset{1}{\cancel{5}}}{\underset{2}{\cancel{5}} \times \underset{2}{\cancel{6}} \times 8} = \frac{7}{16}$$

$$\textcircled{8} \quad 1 \frac{1}{8} \div \frac{3}{5} \times \frac{4}{5} = \frac{9}{8} \times \frac{5}{3} \times \frac{4}{5}$$

$$= \frac{\overset{3}{\cancel{9}} \times \overset{1}{\cancel{5}} \times \overset{1}{\cancel{4}}}{\underset{2}{\cancel{8}} \times \underset{1}{\cancel{3}} \times \underset{1}{\cancel{5}}} = \frac{3}{2} \left( 1 \frac{1}{2} \right)$$

$$\textcircled{9} \quad \frac{6}{7} \div 6 \times \frac{14}{9} = \frac{6}{7} \times \frac{1}{6} \times \frac{14}{9}$$

$$= \frac{\overset{1}{\cancel{6}} \times 1 \times \overset{2}{\cancel{14}}}{\underset{1}{\cancel{7}} \times \underset{1}{\cancel{6}} \times 9} = \frac{2}{9}$$

$$\textcircled{10} \quad \frac{6}{5} \div 4 \times \frac{15}{7} = \frac{6}{5} \times \frac{1}{4} \times \frac{15}{7}$$

$$= \frac{\overset{3}{\cancel{6}} \times 1 \times \overset{3}{\cancel{15}}}{\underset{1}{\cancel{5}} \times \underset{2}{\cancel{4}} \times 7} = \frac{9}{14}$$