

分数÷分数

④

次の計算をしましょう。答えは約分しましょう。

$$(1) \quad \frac{5}{3} \div \frac{5}{4} = \frac{\overset{1}{\cancel{5}} \times 4}{3 \times \underset{1}{\cancel{5}}} = \frac{4}{3} = 1 \frac{1}{3}$$

$$(2) \quad \frac{5}{2} \div \frac{3}{8} = \frac{5 \times \overset{4}{\cancel{8}}}{\underset{1}{\cancel{2}} \times 3} = \frac{20}{3} = 6 \frac{2}{3}$$

$$(3) \quad \frac{6}{7} \div \frac{5}{14} = \frac{6 \times \overset{2}{\cancel{14}}}{\underset{1}{\cancel{7}} \times 5} = \frac{12}{5} = 2 \frac{2}{5}$$

$$(4) \quad \frac{10}{9} \div \frac{2}{3} = \frac{\overset{5}{\cancel{10}} \times \overset{1}{\cancel{3}}}{\underset{3}{\cancel{9}} \times \underset{1}{\cancel{2}}} = \frac{5}{3} = 1 \frac{2}{3}$$

$$(5) \quad \frac{4}{3} \div \frac{4}{3} = \frac{\overset{1}{\cancel{4}} \times \overset{1}{\cancel{3}}}{\underset{1}{\cancel{3}} \times \underset{1}{\cancel{4}}} = \frac{1}{1} = 1$$

$$(6) \quad \frac{3}{2} \div \frac{3}{4} = \frac{\overset{1}{\cancel{3}} \times \overset{2}{\cancel{4}}}{\underset{1}{\cancel{2}} \times \underset{1}{\cancel{3}}} = \frac{2}{1} = 2$$

$$(7) \quad \frac{5}{6} \div \frac{1}{2} = \frac{\overset{5}{\cancel{5}} \times \overset{1}{\cancel{2}}}{\underset{3}{\cancel{6}} \times \underset{1}{\cancel{1}}} = \frac{5}{3} = 1 \frac{2}{3}$$

$$(8) \quad \frac{9}{4} \div \frac{3}{5} = \frac{\overset{3}{\cancel{9}} \times 5}{4 \times \underset{1}{\cancel{3}}} = \frac{15}{4} = 3 \frac{3}{4}$$

$$(9) \quad \frac{8}{9} \div \frac{4}{9} = \frac{\overset{2}{\cancel{8}} \times \overset{1}{\cancel{9}}}{\underset{1}{\cancel{9}} \times \underset{1}{\cancel{4}}} = \frac{2}{1} = 2$$

$$(10) \quad \frac{2}{5} \div \frac{2}{5} = \frac{\overset{1}{\cancel{2}} \times \overset{1}{\cancel{5}}}{\underset{1}{\cancel{5}} \times \underset{1}{\cancel{2}}} = \frac{1}{1} = 1$$