

# 分数のわり算 (2)

名前 \_\_\_\_\_

## 【分数 ÷ 分数の計算】

【1】 次の計算をなさい。

$$(1) \frac{8}{15} \div \frac{4}{11} = \frac{\overset{2}{\cancel{8}} \times 11}{15 \times \underset{1}{\cancel{4}}} = \frac{22}{15} \left(1\frac{7}{15}\right)$$

$$(2) \frac{10}{13} \div \frac{5}{6} = \frac{\overset{2}{\cancel{10}} \times 6}{13 \times \underset{1}{\cancel{5}}} = \frac{12}{13}$$

$$(3) \frac{8}{5} \div \frac{4}{9} = \frac{\overset{2}{\cancel{8}} \times 9}{5 \times \underset{1}{\cancel{4}}} = \frac{18}{5} \left(3\frac{3}{5}\right)$$

$$(4) \frac{12}{11} \div \frac{6}{7} = \frac{\overset{2}{\cancel{12}} \times 7}{11 \times \underset{1}{\cancel{6}}} = \frac{14}{11} \left(1\frac{3}{11}\right)$$

$$(5) \frac{9}{7} \div \frac{3}{4} = \frac{\overset{3}{\cancel{9}} \times 4}{7 \times \underset{1}{\cancel{3}}} = \frac{12}{7} \left(1\frac{5}{7}\right)$$

$$(6) \frac{11}{10} \div \frac{2}{5} = \frac{11 \times \overset{5}{\cancel{10}}}{\underset{2}{10} \times 2} = \frac{11}{4} \left(2\frac{3}{4}\right)$$

$$(7) \frac{7}{18} \div \frac{13}{12} = \frac{7 \times \overset{2}{\cancel{12}}}{\underset{3}{18} \times 13} = \frac{14}{39}$$

$$(8) \frac{3}{4} \div \frac{7}{2} = \frac{3 \times \overset{1}{\cancel{2}}}{\underset{2}{4} \times 7} = \frac{3}{14}$$

$$(9) \frac{1}{6} \div \frac{5}{3} = \frac{1 \times \overset{1}{\cancel{3}}}{\underset{2}{6} \times 5} = \frac{1}{10}$$

$$(10) \frac{4}{5} \div \frac{11}{10} = \frac{4 \times \overset{2}{\cancel{10}}}{\underset{1}{5} \times 11} = \frac{8}{11}$$

$$(11) \frac{19}{8} \div \frac{11}{4} = \frac{19 \times \overset{1}{\cancel{4}}}{\underset{2}{8} \times 11} = \frac{19}{22}$$

$$(12) \frac{7}{3} \div \frac{14}{11} = \frac{\overset{1}{\cancel{7}} \times 11}{3 \times \underset{2}{\cancel{14}}} = \frac{11}{6} \left(1\frac{5}{6}\right)$$

$$(13) \frac{12}{5} \div \frac{18}{13} = \frac{\overset{2}{\cancel{12}} \times 13}{5 \times \underset{3}{\cancel{18}}} = \frac{26}{15} \left(1\frac{11}{15}\right)$$

$$(14) \frac{15}{14} \div \frac{20}{7} = \frac{\overset{3}{\cancel{15}} \times \overset{1}{\cancel{7}}}{\underset{2}{14} \times \underset{4}{20}} = \frac{3}{8}$$

【2】 次の問題に答えなさい

(1)  $\frac{8}{3}$  m あたりの重さが  $\frac{4}{5}$  kg の棒があります。この棒 1m の重さは何 kg ですか。

$$\text{式} \quad \frac{4}{5} \div \frac{8}{3} = \frac{\overset{1}{\cancel{4}} \times 3}{5 \times \underset{2}{\cancel{8}}} = \frac{3}{10}$$

答え                       
 $\frac{3}{10}$  kg

(2) 分速  $\frac{3}{35}$  km で歩くと、 $\frac{3}{7}$  km の道のりを歩くのに何分かかりますか。

$$\text{式} \quad \frac{3}{7} \div \frac{3}{35} = \frac{\overset{1}{\cancel{3}} \times \overset{5}{35}}{\underset{1}{7} \times \underset{1}{\cancel{3}}} = 5$$

答え                       
5 分