



## 分数のわり算 14

3つの分数の  
かけ算・わり算



日にち：            月            日

名まえ

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・ 次の計算をしましょう。

$$\textcircled{1} \quad \frac{10}{9} \div \frac{12}{35} \times \frac{3}{10}$$

=

$$\textcircled{3} \quad \frac{4}{35} \times \frac{7}{24} \div \frac{11}{18}$$

=

$$\textcircled{2} \quad \frac{3}{4} \div \frac{9}{5} \times \frac{10}{7}$$

=

$$\textcircled{4} \quad \frac{2}{5} \times \frac{3}{8} \div \frac{7}{16}$$

=





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$$\begin{aligned} \textcircled{1} \quad & \frac{10}{9} \div \frac{12}{35} \times \frac{3}{10} \\ &= \frac{10}{9} \times \frac{35}{12} \times \frac{3}{10} \\ &= \frac{\overset{5}{\cancel{10}} \times \overset{7}{\cancel{35}} \times 3}{9 \times \underset{6}{\cancel{12}} \times \underset{2}{\cancel{10}}} \\ &= \frac{5 \times 7 \times \overset{1}{\cancel{3}}}{9 \times \underset{2}{\cancel{6}} \times 2} \\ &= \frac{35}{36} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \frac{3}{4} \div \frac{9}{5} \times \frac{10}{7} \\ &= \frac{3}{4} \times \frac{5}{9} \times \frac{10}{7} \\ &= \frac{\overset{1}{\cancel{3}} \times 5 \times \overset{5}{\cancel{10}}}{\underset{2}{\cancel{4}} \times \underset{3}{\cancel{9}} \times 7} \\ &= \frac{25}{42} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \frac{4}{35} \times \frac{7}{24} \div \frac{11}{18} \\ &= \frac{4}{35} \times \frac{7}{24} \times \frac{18}{11} \\ &= \frac{\overset{1}{\cancel{4}} \times \overset{1}{\cancel{7}} \times 18}{\underset{5}{\cancel{35}} \times \underset{6}{\cancel{24}} \times 11} \\ &= \frac{1 \times 1 \times \overset{3}{\cancel{18}}}{5 \times \underset{1}{\cancel{6}} \times 11} \\ &= \frac{3}{55} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \frac{2}{5} \times \frac{3}{8} \div \frac{7}{16} \\ &= \frac{2}{5} \times \frac{3}{8} \times \frac{16}{7} \\ &= \frac{2 \times 3 \times \overset{2}{\cancel{16}}}{5 \times \underset{1}{\cancel{8}} \times 7} \\ &= \frac{12}{35} \end{aligned}$$

