



分数のわり算 15

3つの分数のわり算



日にち： 月 日

名まえ _____

・ 次の計算をしましょう。

$$\textcircled{1} \quad \frac{9}{14} \div \frac{9}{7} \div \frac{35}{6}$$

=

$$\textcircled{3} \quad \frac{3}{5} \times \frac{7}{12} \div \frac{9}{10}$$

=

$$\textcircled{2} \quad \frac{1}{6} \times \frac{13}{8} \div \frac{13}{9}$$

=

$$\textcircled{4} \quad \frac{9}{35} \div \frac{1}{15} \div \frac{4}{3}$$

=





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$$\begin{aligned} \textcircled{1} \quad & \frac{9}{14} \div \frac{9}{7} \div \frac{35}{6} \\ &= \frac{9}{14} \times \frac{7}{9} \times \frac{6}{35} \\ &= \frac{\overset{1}{\cancel{9}} \times \overset{1}{\cancel{7}} \times \overset{1}{\cancel{6}}}{\underset{7}{\cancel{14}} \times \underset{1}{\cancel{9}} \times \underset{5}{\cancel{35}}^5} \\ &= \frac{1 \times 1 \times \overset{3}{\cancel{6}}}{\underset{7}{\cancel{14}} \times 1 \times 5} \\ &= \frac{3}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & \frac{1}{6} \times \frac{13}{8} \div \frac{13}{9} \\ &= \frac{1}{6} \times \frac{13}{8} \times \frac{9}{13} \\ &= \frac{1 \times \overset{1}{\cancel{13}} \times \overset{3}{\cancel{9}}}{\underset{2}{\cancel{6}} \times 8 \times \underset{1}{\cancel{13}}} \\ &= \frac{3}{16} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & \frac{3}{5} \times \frac{7}{12} \div \frac{9}{10} \\ &= \frac{3}{5} \times \frac{7}{12} \times \frac{10}{9} \\ &= \frac{\overset{1}{\cancel{3}} \times 7 \times \overset{2}{\cancel{10}}}{\underset{1}{\cancel{5}} \times 12 \times \underset{3}{\cancel{9}}} \\ &= \frac{1 \times 7 \times \overset{1}{\cancel{2}}}{1 \times \underset{6}{\cancel{12}} \times 3} \\ &= \frac{7}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & \frac{9}{35} \div \frac{1}{15} \div \frac{4}{3} \\ &= \frac{9}{35} \times \frac{15}{1} \times \frac{3}{4} \\ &= \frac{\overset{3}{\cancel{9}} \times \overset{3}{\cancel{15}} \times 3}{\underset{7}{\cancel{35}} \times 1 \times 4} \\ &= \frac{81}{28} \left(2\frac{25}{28} \right) \end{aligned}$$

