

6年  
1  
(5)

分数のかけ算

年 組  
名前

1 くふうして計算をしましょう。

$$\textcircled{1} \frac{2}{3} \times \frac{1}{2} \times \frac{6}{7} = \frac{2 \times 1 \times 6}{3 \times 2 \times 7} = \frac{2}{7}$$

$$\textcircled{2} \frac{5}{6} \times \frac{3}{7} \times \frac{14}{15} = \frac{5 \times 3 \times 14}{6 \times 7 \times 15} = \frac{1}{3}$$

$$\textcircled{3} 1\frac{3}{4} \times 8 \times \frac{5}{14} = \frac{7 \times 8 \times 5}{4 \times 1 \times 14} = 5$$

$$\textcircled{4} \frac{5}{11} \times 3\frac{1}{7} \times \frac{14}{5} = \frac{5 \times 22 \times 14}{11 \times 7 \times 5} = 4$$

$$\textcircled{5} \left(\frac{7}{8} \times \frac{5}{6}\right) \times \frac{8}{7} = \frac{5}{6} \times \left(\frac{7}{8} \times \frac{8}{7}\right) = \frac{5}{6}$$

$$\textcircled{6} \left(\frac{1}{2} + \frac{2}{3}\right) \times 6 = \frac{1}{2} \times 6 + \frac{2}{3} \times 6 = 7$$

$$\textcircled{7} \left(\frac{3}{4} + \frac{2}{5}\right) \times 20 = \frac{3}{4} \times 20 + \frac{2}{5} \times 20 = 23$$

$$\textcircled{8} \left(\frac{5}{7} \times \frac{5}{9}\right) \times \frac{9}{5} = \frac{5}{7} \times \left(\frac{5}{9} \times \frac{9}{5}\right) = \frac{5}{7}$$

$$\textcircled{9} \frac{3}{7} \times \frac{5}{6} + \frac{4}{7} \times \frac{5}{6} = \left(\frac{3}{7} + \frac{4}{7}\right) \times \frac{5}{6} = \frac{5}{6}$$

$$\textcircled{10} \frac{2}{5} \times \frac{1}{4} + \frac{2}{5} \times \frac{3}{4} = \left(\frac{1}{4} + \frac{3}{4}\right) \times \frac{2}{5} = \frac{2}{5}$$

2 次の数の逆数を求めましょう。

$$\textcircled{1} \frac{3}{5} \quad \left( \frac{5}{3} \right)$$

※真分数や仮分数の逆数は、分子と分母を入れかえた数になります。

$$\textcircled{2} \frac{9}{2} \quad \left( \frac{2}{9} \right)$$

$$\textcircled{3} \frac{11}{3} \quad \left( \frac{3}{11} \right)$$

$$\textcircled{4} \frac{1}{8} \quad \left( 8 \right)$$

$$\textcircled{5} 1\frac{3}{4} \quad \left( \frac{4}{7} \right)$$

$1\frac{3}{4} = \frac{7}{4}$  なので、逆数は  $\frac{4}{7}$

$$\textcircled{6} 2\frac{2}{3} \quad \left( \frac{3}{8} \right)$$

$$\textcircled{7} 3 \quad \left( \frac{1}{3} \right)$$

$3 = \frac{3}{1}$  なので、逆数は  $\frac{1}{3}$

$$\textcircled{8} 8 \quad \left( \frac{1}{8} \right)$$

$$\textcircled{9} 0.3 \quad \left( \frac{10}{3} \right)$$

$0.3 = \frac{3}{10}$  なので、逆数は  $\frac{10}{3}$

$$\textcircled{10} 0.7 \quad \left( \frac{10}{7} \right)$$