

6年

3

(3)

分数・小数の混合計算

年 組

名前

1 次の計算をしましょう。

$$\begin{aligned} \textcircled{1} \quad 0.4 - \frac{1}{7} &= \frac{4}{10} - \frac{1}{7} \\ &= \frac{2}{5} - \frac{1}{7} \\ &= \frac{14}{35} - \frac{5}{35} \\ &= \frac{9}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 2\frac{1}{5} - 0.2 &= 2\frac{1}{5} - \frac{2}{10} \\ &= 2\frac{1}{5} - \frac{1}{5} \\ &= 2 \end{aligned}$$

小数にそろえる方法

$$\begin{aligned} 2\frac{1}{5} - 0.2 &= 2.2 - 0.2 \\ &= 2 \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{4}{5} + 1.3 &= \frac{4}{5} + \frac{13}{10} \\ &= \frac{8}{10} + \frac{13}{10} \\ &= \frac{21}{10} \end{aligned}$$

小数にそろえる方法

$$\frac{4}{5} + 1.3 = 0.8 + 1.3 = 2.1$$

$$\begin{aligned} \textcircled{4} \quad \frac{12}{13} \times 0.7 \div \frac{21}{26} &= \frac{12}{13} \times \frac{7}{10} \div \frac{21}{26} \\ &= \frac{12}{13} \times \frac{7}{10} \times \frac{26}{21} \\ &= \frac{4}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 4.2 \div \frac{5}{8} \times \frac{20}{21} &= \frac{42}{10} \div \frac{5}{8} \times \frac{20}{21} \\ &= \frac{21}{5} \times \frac{8}{5} \times \frac{20}{21} \\ &= \frac{32}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 8\frac{1}{3} \div 1.5 \times 2.1 &= \frac{25}{3} \div \frac{15}{10} \times \frac{21}{10} \\ &= \frac{25}{3} \times \frac{2}{3} \times \frac{21}{10} \\ &= \frac{35}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{16}{33} \times 2.4 \div \frac{8}{11} &= \frac{16}{33} \times \frac{24}{10} \div \frac{8}{11} \\ &= \frac{16}{33} \times \frac{12}{5} \times \frac{11}{8} \\ &= \frac{8}{5} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 2.6 \div 4.5 \times \frac{30}{13} &= \frac{26}{10} \div \frac{45}{10} \times \frac{30}{13} \\ &= \frac{13}{5} \times \frac{2}{9} \times \frac{30}{13} \\ &= \frac{4}{3} \end{aligned}$$