

## 1 次式を数でわる計算

1 次式を数でわるときは、**分数の形にして計算する。**

$$\begin{aligned} 1 \quad & 6x \div 3 \\ & = \frac{6x}{3} \\ & = 2x \end{aligned}$$

$$\begin{aligned} 2 \quad & 4x \div (-2) \\ & = \frac{4x}{-2} \\ & = -2x \end{aligned}$$

1 次式を分数でわるときは、**わる数の逆数をかけて計算する。**

$$\begin{aligned} 1 \quad & 6x \div \frac{3}{2} \\ & = 6x \times \frac{2}{3} \\ & = 4x \end{aligned}$$

$$\begin{aligned} 2 \quad & 8x \div \left(-\frac{2}{3}\right) \\ & = 8x \times \left(-\frac{3}{2}\right) \\ & = -12x \end{aligned}$$

文字を含む 1 次の項と、数の項の 2 つの項を、数でわるときは、**それぞれの項を分数の形にして計算する。**

$$\begin{aligned} 1 \quad & (6x+8) \div 2 \\ & = \frac{6x}{2} + \frac{8}{2} \\ & = 3x+4 \end{aligned}$$

$$\begin{aligned} 2 \quad & (8x-12) \div (-4) \\ & = \frac{8x}{-4} + \frac{-12}{-4} \\ & = -2x+3 \end{aligned}$$

1 次の計算をしなさい。

①  $8x \div 2$

②  $6x \div \left(-\frac{2}{3}\right)$

③  $(6x+9) \div 3$

④  $(8x-6) \div (-2)$

## 1 次式を数でわる計算

1 次式を数でわるときは、**分数の形にして計算する。**

$$\begin{aligned} 1 \quad & 6x \div 3 \\ & = \frac{\overset{2}{\cancel{6}}x}{\underset{1}{\cancel{3}}} \\ & = 2x \end{aligned}$$

$$\begin{aligned} 2 \quad & 4x \div (-2) \\ & = \frac{\overset{2}{\cancel{4}}x}{\underset{1}{\cancel{-2}}} \\ & = -2x \end{aligned}$$

1 次式を分数でわるときは、**わる数の逆数をかけて計算する。**

$$\begin{aligned} 1 \quad & 6x \div \frac{3}{2} \\ & = \overset{2}{\cancel{6}}x \times \frac{\underset{1}{\cancel{2}}}{\underset{3}{\cancel{3}}} \\ & = 4x \end{aligned}$$

$$\begin{aligned} 2 \quad & 8x \div \left(-\frac{2}{3}\right) \\ & = \overset{4}{\cancel{8}}x \times \left(-\frac{\underset{1}{\cancel{3}}}{\underset{2}{\cancel{2}}}\right) \\ & = -12x \end{aligned}$$

文字を含む 1 次の項と、数の項の 2 つの項を、数でわるときは、**それぞれの項を分数の形にして計算する。**

$$\begin{aligned} 1 \quad & (6x + 8) \div 2 \\ & = \frac{\overset{3}{\cancel{6}}x}{\underset{1}{\cancel{2}}} + \frac{\overset{4}{\cancel{8}}}{\underset{1}{\cancel{2}}} \\ & = 3x + 4 \end{aligned}$$

$$\begin{aligned} 2 \quad & (8x - 12) \div (-4) \\ & = \frac{\overset{2}{\cancel{8}}x}{\underset{1}{\cancel{-4}}} + \frac{\overset{3}{\cancel{-12}}}{\underset{1}{\cancel{-4}}} \\ & = -2x + 3 \end{aligned}$$

1 次の計算をしなさい。

$$\begin{aligned} ① \quad & 8x \div 2 \\ & = \frac{\overset{4}{\cancel{8}}x}{\underset{1}{\cancel{2}}} \\ & = 4x \end{aligned}$$

$$\begin{aligned} ② \quad & 6x \div \left(-\frac{2}{3}\right) \\ & = \overset{3}{\cancel{6}}x \times \left(-\frac{\underset{1}{\cancel{3}}}{\underset{2}{\cancel{2}}}\right) \\ & = -9x \end{aligned}$$

$$\begin{aligned} ③ \quad & (6x + 9) \div 3 \\ & = \frac{\overset{2}{\cancel{6}}x}{\underset{1}{\cancel{3}}} + \frac{\overset{3}{\cancel{9}}}{\underset{1}{\cancel{3}}} \\ & = 2x + 3 \end{aligned}$$

$$\begin{aligned} ④ \quad & (8x - 6) \div (-2) \\ & = \frac{\overset{4}{\cancel{8}}x}{\underset{1}{\cancel{-2}}} + \frac{\overset{3}{\cancel{-6}}}{\underset{1}{\cancel{-2}}} \\ & = -4x + 3 \end{aligned}$$