

1 次の計算をなさい。

① $8x \div 2x$

② $72xy \div (-8x)$

③ $(-28x^2) \div (-7x)$

④ $30a^3 \div (-6a^2)$

⑤ $12x^2 \div \frac{4}{5}x$

⑥ $16ab \div (-\frac{8}{9}a)$

⑦ $\frac{4}{5}xy \div (-\frac{2}{15}y)$

⑧ $(-\frac{3}{4}a^2) \div (-\frac{3}{8}a)$

1 次の計算をなさい。

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

$$\begin{aligned} \textcircled{2} \quad 72xy \div (-8x) \\ &= -\frac{\overset{9}{72}\overset{1}{x}\overset{1}{y}}{\underset{1}{8}\underset{1}{x}} \\ &= -9y \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad (-28x^2) \div (-7x) \\ &= \frac{\overset{4}{28}\overset{1}{x}\overset{1}{x}}{\underset{1}{7}\underset{1}{x}} \\ &= 4x \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 30a^3 \div (-6a^2) \\ &= -\frac{\overset{5}{30}\overset{1}{a}\overset{1}{a}\overset{1}{a}}{\underset{1}{6}\overset{1}{a}\overset{1}{a}} \\ &= -5a \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 12x^2 \div \frac{4}{5}x \\ &= 12x^2 \times \frac{5}{4x} \\ &= \frac{\overset{3}{12}\overset{2}{x}\overset{1}{x}\overset{1}{x}}{\underset{1}{4}\overset{1}{x}} \\ &= 15x \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 16ab \div \left(-\frac{8}{9}a\right) \\ &= 16ab \times \left(-\frac{9}{8a}\right) \\ &= -\frac{\overset{2}{16}\overset{1}{a}\overset{1}{b}}{\underset{1}{8}\overset{1}{a}} \\ &= -18b \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{4}{5}xy \div \left(-\frac{2}{15}y\right) \\ &= \frac{4}{5}xy \times \left(-\frac{15}{2y}\right) \\ &= -\frac{\overset{2}{4}\overset{3}{15}\overset{1}{x}\overset{1}{y}}{\underset{1}{5}\overset{1}{2}\overset{1}{y}} \\ &= -6x \end{aligned}$$

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