

1 次の計算をなさい。

①  $42x \div 6x$

②  $36xy \div (-9x)$

③  $(-63x^2) \div (-7x)$

④  $32a^3 \div (-4a^2)$

⑤  $18x^2 \div \frac{6}{7}x$

⑥  $4ab \div (-\frac{2}{3}a)$

⑦  $\frac{15}{3}xy \div (-\frac{5}{6}y)$

⑧  $(-\frac{16}{3}a^2) \div (-\frac{8}{9}a)$

1 次の計算をなさい。

$$\begin{aligned} \textcircled{1} \quad 42x \div 6x \\ &= \frac{\overset{7}{\cancel{42}}x^{\overset{1}{\cancel{1}}}}{\underset{11}{\cancel{6}x}} \\ &= 7 \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 36xy \div (-9x) \\ &= -\frac{\overset{4}{\cancel{36}}x^{\overset{1}{\cancel{1}}}y}{\underset{11}{\cancel{9}x}} \\ &= -4y \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad (-63x^2) \div (-7x) \\ &= \frac{\overset{9}{\cancel{63}}x^{\overset{2}{\cancel{1}}}}{\underset{11}{\cancel{7}x}} \\ &= 9x \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 32a^3 \div (-4a^2) \\ &= -\frac{\overset{8}{\cancel{32}}a^{\overset{3}{\cancel{1}}}}{\underset{11}{\cancel{4}}a^{\overset{2}{\cancel{1}}}} \\ &= -8a \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 18x^2 \div \frac{6}{7}x \\ &= 18x^2 \times \frac{7}{6x} \\ &= \frac{\overset{3}{\cancel{18}} \times \overset{7}{\cancel{6}} x^{\overset{2}{\cancel{1}}}}{\underset{11}{\cancel{6}x}} \\ &= 21x \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 4ab \div \left(-\frac{2}{3}a\right) \\ &= 4ab \times \left(-\frac{3}{2a}\right) \\ &= -\frac{\overset{2}{\cancel{4}} \times \overset{3}{\cancel{3}} a^{\overset{1}{\cancel{1}}} b}{\underset{11}{\cancel{2}a}} \\ &= -6b \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{15}{3}xy \div \left(-\frac{5}{6}y\right) \\ &= \frac{15}{3}xy \times \left(-\frac{6}{5y}\right) \\ &= -\frac{\overset{3}{\cancel{15}} \times \overset{2}{\cancel{6}} x^{\overset{1}{\cancel{1}}} y^{\overset{1}{\cancel{1}}}}{\underset{11}{\cancel{3}} \times \underset{11}{\cancel{5}} y^{\overset{1}{\cancel{1}}}} \\ &= -6x \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \left(-\frac{16}{3}a^2\right) \div \left(-\frac{8}{9}a\right) \\ &= \left(-\frac{16}{3}a^2\right) \times \left(-\frac{9}{8a}\right) \\ &= \frac{\overset{2}{\cancel{16}} \times \overset{3}{\cancel{9}} a^{\overset{2}{\cancel{1}}}}{\underset{11}{\cancel{3}} \times \underset{11}{\cancel{8}} a^{\overset{1}{\cancel{1}}}} \\ &= 6a \end{aligned}$$