

## 1次式の乗除① 解答と解説

1. **解答** (1)  $9a$  (2)  $-20x$  (3)  $-12x$  (4)  $48y$

$$\begin{aligned}(1) \quad 3a \times 3 &= 3 \times a \times 3 \\ &= 3 \times 3 \times a \\ &= 9a\end{aligned}$$

$$\begin{aligned}(2) \quad 4 \times (-5x) &= 4 \times (-5) \times x \\ &= -20x\end{aligned}$$

$$\begin{aligned}(3) \quad (-3) \times 4x &= (-3) \times 4 \times x \\ &= -12x\end{aligned}$$

$$\begin{aligned}(4) \quad (-6y) \times (-8) &= (-6) \times y \times (-8) \\ &= (-6) \times (-8) \times y \\ &= 48y\end{aligned}$$

2. **解答** (1)  $4x+4$  (2)  $6a-16$  (3)  $3x+15$  (4)  $14y-28$

$$\begin{aligned}(1) \quad 4(x+1) &= 4 \times x + 4 \times 1 \\ &= 4x + 4\end{aligned}$$

$$\begin{aligned}(2) \quad 2(3a-8) &= 2 \times 3a + 2 \times (-8) \\ &= 6a - 16\end{aligned}$$

$$\begin{aligned}(3) \quad (x+5) \times 3 &= x \times 3 + 5 \times 3 \\ &= 3x + 15\end{aligned}$$

$$\begin{aligned}(4) \quad (2y-4) \times 7 &= 2y \times 7 + (-4) \times 7 \\ &= 14y - 28\end{aligned}$$

3. **解答** (1)  $3a+6$  (2)  $6x-8$  (3)  $4y+28$  (4)  $10x-16$

$$\begin{aligned}(1) \quad \frac{a+2}{3} \times 9 &= \frac{(a+2) \times 9}{3} \\ &= (a+2) \times 3 \\ &= 3a + 6\end{aligned}$$

$$\begin{aligned}(2) \quad \frac{3x-4}{2} \times 4 &= \frac{(3x-4) \times 4}{2} \\ &= (3x-4) \times 2 \\ &= 6x - 8\end{aligned}$$

$$\begin{aligned}(3) \quad 12 \times \frac{y+7}{3} &= \frac{12 \times (y+7)}{3} \\ &= 4 \times (y+7) \\ &= 4y + 28\end{aligned}$$

$$\begin{aligned}(4) \quad 10 \times \frac{5x-8}{5} &= \frac{10 \times (5x-8)}{5} \\ &= 2 \times (5x-8) \\ &= 10x - 16\end{aligned}$$