

1 **解答** (1) $20a$ (2) $36x$ (3) $-56m$ (4) $18y$ (5) $21x$ (6) $-12a$

(7) $-16a$ (8) $\frac{2}{5}b$

- (1) $4a \times 5 = 4 \times a \times 5 = 4 \times 5 \times a = 20a$
 (2) $12x \times 3 = 12 \times x \times 3 = 12 \times 3 \times x = 36x$
 (3) $-8m \times 7 = -8 \times m \times 7 = -8 \times 7 \times m = -56m$
 (4) $-9y \times (-2) = -9 \times y \times (-2) = -9 \times (-2) \times y = 18y$
 (5) $9x \times \frac{7}{3} = 9 \times x \times \frac{7}{3} = 9 \times \frac{7}{3} \times x = 21x$
 (6) $28 \times \left(-\frac{3}{7}a\right) = 28 \times \left(-\frac{3}{7}\right) \times a = -12a$
 (7) $-12a \times \frac{4}{3} = -12 \times a \times \frac{4}{3} = -12 \times \frac{4}{3} \times a = -16a$
 (8) $-\frac{1}{4} \times \left(-\frac{8}{5}b\right) = -\frac{1}{4} \times \left(-\frac{8}{5}\right) \times b = \frac{2}{5}b$

2 **解答** (1) $2x - 8$ (2) $-54a - 18$ (3) $10y - 16$ (4) $16x + 8$
 (5) $-28m + 20$ (6) $-\frac{15b + 20}{2}$

- (1) $\frac{x-4}{3} \times 6 = \frac{(x-4) \times 6}{3} = (x-4) \times 2 = 2x - 8$
 (2) $\frac{9a+3}{2} \times (-12) = \frac{(9a+3) \times (-12)}{2} = (9a+3) \times (-6) = -54a - 18$
 (3) $\frac{-5y+8}{7} \times (-14) = \frac{(-5y+8) \times (-14)}{7} = (-5y+8) \times (-2) = 10y - 16$
 (4) $24 \times \frac{2x+1}{3} = \frac{24(2x+1)}{3} = 8(2x+1) = 16x + 8$
 (5) $-64 \times \frac{7m-5}{16} = \frac{-64(7m-5)}{16} = -4(7m-5) = -28m + 20$
 (6) $-25 \times \frac{3b-4}{10} = \frac{-25(3b-4)}{10} = -5(3b-4) = -15b + 20$

3 **解答** (1) $3a$ (2) $-4x$ (3) $-5p$ (4) $4m$ (5) $30p$ (6) $-12x$

(7) $-9a$ (8) $36x$

- (1) $12a \div 4 = \frac{12a}{4} = \frac{12 \times a}{4} = 3a$
 (2) $28x \div (-7) = \frac{28x}{-7} = \frac{28 \times x}{-7} = -4x$
 (3) $(-25p) \div 5 = \frac{-25p}{5} = \frac{-25 \times p}{5} = -5p$
 (4) $-52m \div (-13) = \frac{-52m}{-13} = \frac{-52 \times m}{-13} = 4m$
 (5) $36p \div \frac{6}{5} = 36p \times \frac{5}{6} = 36 \times \frac{5}{6} \times p = 30p$
 (6) $-32x \div \frac{8}{3} = -32x \times \frac{3}{8} = -32 \times \frac{3}{8} \times x = -12x$
 (7) $15a \div \left(-\frac{5}{3}\right) = 15a \times \left(-\frac{3}{5}\right) = 15 \times \left(-\frac{3}{5}\right) \times a = -9a$
 (8) $-42x \div \left(-\frac{7}{6}\right) = -42x \times \left(-\frac{6}{7}\right) = -42 \times \left(-\frac{6}{7}\right) \times x = 36x$