

Simplifying Expressions

Simplify:

(a) $5 \times a$

(b) $8 \times x$

(c) $-2 \times b$

(d) $6 \times ab$

(e) $3 \times y^2$

(f) $2 \times 3b$

(g) $3 \times 5x$

(h) $-5 \times 3y$

(i) $6 \times 4ab$

(j) $7 \times 4x^2$

(a) $5a$

(b) $8x$

(c) $-2b$

(d) $6ab$

(e) $3y^2$

(f) $6b$

(g) $15x$

(h) $-15y$

(i) $24ab$

(j) $28x^2$

Simplify:

(a) $\frac{18a}{6}$

(b) $\frac{16b}{4}$

(c) $\frac{24x}{12}$

(d) $\frac{6y}{2}$

(e) $\frac{15ab}{3}$

(f) $\frac{-8a}{4}$

(g) $\frac{25x^2}{5}$

(h) $\frac{7.5xy}{2.5}$

(a) $3a$

(b) $4b$

(c) $2x$

(d) $3y$

(e) $5ab$

(f) $-2a$

(g) $5x^2$

(h) $3xy$

Simplify:

(a) $6a \times b \times 2c$

(b) $-3x \times 4 \times 2y$

(c) $-4d \times -7e \times f$

(d) $2.5u \times -2v \times 6w$

(a) $12abc$

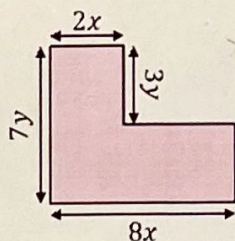
(b) $-24xy$

(c) $28def$

(d) $-30uvw$

(a) A rectangle has a length of $2x$ cm and a width of $5y$ cm. Find a simplified expression for the area of the rectangle.

(b) Find a simplified expression for the area of this compound shape.



(a) $10xy \text{ cm}^2$

(b) $2x \times 3y + 8x \times 4y$
 $= 6xy + 32xy$
 $= 38xy$