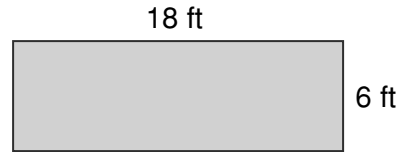


Chapter 10 (p. 486)

perimeter

The sum of the lengths of the sides of a polygon.

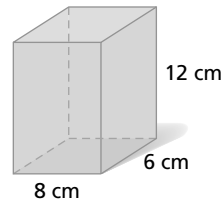


$$\text{perimeter} = 18 + 6 + 18 + 6 = 48 \text{ ft}$$

Chapter 10 (p. 534)

surface area

The sum of the areas of the faces, or surfaces, of a three-dimensional figure.

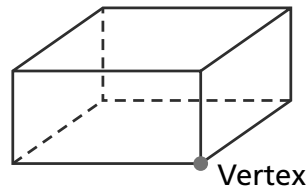


$$\text{Surface area} = 2(8)(12) + 2(8)(6) + 2(12)(6) = 432 \text{ cm}^2$$

Chapter 10 (p. 518)

vertex

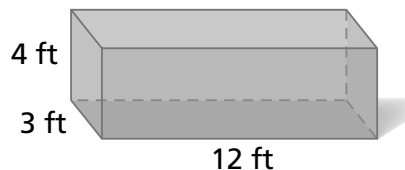
A point at which three or more edges of a polyhedron intersect.



Chapter 10 (p. 524)

volume

The number of cubic units needed to fill a given space.



$$\text{Volume} = 3 \cdot 4 \cdot 12 = 144 \text{ ft}^3$$

Chapter 11 (p. 572)

algebraic inequality

An inequality that contains at least one variable.

$$x + 3 > 10$$

$$5a > b + 3$$

Chapter 11 (p. 558)

coefficient

The number that is multiplied by a variable in an algebraic expression.

5 is the coefficient in $5b$.

Chapter 11 (p. 573)

compound inequality

A combination of more than one inequality.

$$-2 \leq x < 10$$

Chapter 11 (p. 572)

inequalityA mathematical statement that compares two expressions by using one of the following symbols: $<$, $>$, \leq , \geq , or \neq .

$$5 < 8$$

$$5x + 2 \geq 12$$