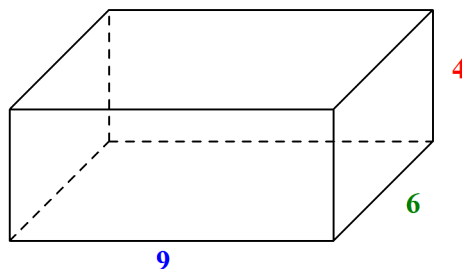






4. What is the volume of this block? All lengths are in inches.



- a.  $216 \text{ in}^3$                       c.  $19 \text{ in}^3$   
 b.  $54 \text{ in}^3$                         d.  $64 \text{ in}^3$

ANS: A

$$V = l \cdot w \cdot h = 9 \cdot 6 \cdot 4 = 216 \text{ in}^3$$

	Feedback
A	Correct!
B	The volume of block is $V = l \cdot w \cdot h$
C	You must multiply the length, width and height - not add.
D	This is volume for cube.

PTS: 1                      DIF: Grade 5

REF: 5MG.1.0 Students understand and compute the volumes and areas of simple objects:

OBJ: 5MG.1.3 Understand the concept of volume and use the appropriate units in common measuring systems (i.e., cubic centimeter [cm<sup>3</sup>], cubic meter [m<sup>3</sup>], cubic inch [in<sup>3</sup>], cubic yard [yd<sup>3</sup>]) to compute the volume of rectangular solids.                      TOP: Measurement & Geometry

MSC: LFS & BV-398

5. The perimeter of a rectangle is related to?  
 a. length  
 b. volume  
 c. area

ANS: A

	Feedback
A	Correct!
B	Incorrect.
C	Incorrect.

PTS: 1                      DIF: Grade 5

REF: 5MG.1.0 Students understand and compute the volumes and areas of simple objects:

OBJ: 5MG.1.4 Differentiate between, and use appropriate units of measures for, two-and three-dimensional objects (i.e., find the perimeter, area, volume).                      TOP: Measurement & Geometry

MSC: LFS & BV-398

6. The amount of water a barrel will hold is related to ?
- length
  - area
  - volume

ANS: C

	Feedback
A	Incorrect.
B	Incorrect.
C	Correct!

PTS: 1

DIF: Grade 5

REF: 5MG.1.0 Students understand and compute the volumes and areas of simple objects:

OBJ: 5MG.1.4 Differentiate between, and use appropriate units of measures for, two-and three-dimensional objects (i.e., find the perimeter, area, volume). TOP: Measurement & Geometry

MSC: LFS & BV-398

7. The amount of astroturf to cover a home yard is related to ?
- area
  - volume
  - length

ANS: A

	Feedback
A	Correct!
B	Incorrect.
C	Incorrect.

PTS: 1

DIF: Grade 5

REF: 5MG.1.0 Students understand and compute the volumes and areas of simple objects:

OBJ: 5MG.1.4 Differentiate between, and use appropriate units of measures for, two-and three-dimensional objects (i.e., find the perimeter, area, volume). TOP: Measurement & Geometry

MSC: LFS & BV-398

8. The number of bricks to pave a school yard is related to ?
- a. area
  - b. volume
  - c. length

ANS: A

	Feedback
A	Correct!
B	Incorrect.
C	Incorrect.

PTS: 1

DIF: Grade 5

REF: 5MG.1.0 Students understand and compute the volumes and areas of simple objects:

OBJ: 5MG.1.4 Differentiate between, and use appropriate units of measures for, two-and three-dimensional objects (i.e., find the perimeter, area, volume). TOP: Measurement & Geometry

MSC: LFS & BV-398