

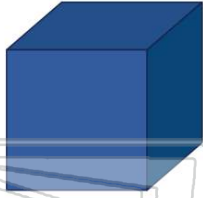


Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 What is the **volume** of a cube if the length of one side is **8 inches**?

$$V = s^3$$

- A 38
- B  $3 \cdot 8$
- C  $8^3$
- D  $8^2$



3 A box has a length of 3 inches, width of 3 inches, and a height of 3 inches. The **volume** can be expressed as  $3^3$ .

$$V = s^3$$

A true



2 The expression  $5 \cdot 5 \cdot 5 \cdot 3 \cdot 3$  can be re-written as \_\_\_\_\_.

- A  $5^3 \cdot 3^2$
- B  $15 \cdot 9$
- C  $3^5 \cdot 2^3$
- D  $15 \cdot 6$

4 Complete the expression.

$$8^2 \cdot 2^6$$

- A  $>$
- B  $<$
- C  $=$

5



## PREVIEW

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7

- A 14
- B 12
- C 17
- D 16

- A 12 m
- B 13 m
- C 72 m
- D 36 m



9 Complete the expression.

$$8^2 + 4^3 = \square$$

- A 28
- B 128
- C 145
- D 76

10 Evaluate the expression.

$$(16 - 6)^2 - (4 + 2)^2$$

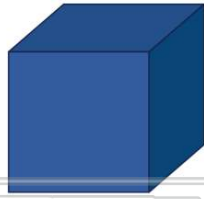
- A 16
- B 8
- C 81
- D 64



## ANSWER KEY

What is the **volume** of a cube if the length of one side is **8 inches**?

- $V = s^3$
- A 38
  - B  $3 \cdot 8$
  - C  $8^3$
  - D  $8^2$



(C)

The expression  $5 \cdot 5 \cdot 5 \cdot 3 \cdot 3$  can be re-written as \_\_\_\_\_.

- A  $5^3 \cdot 3^2$
- B  $15 \cdot 9$
- C  $3^5 \cdot 2^3$
- D  $15 \cdot 6$

(a)

A box has a length of 3 inches, width of 3 inches, and a height of 3 inches. The **volume** can be expressed as  $3^2$ .

- $V = s^3$
- A true
  - B false



(b)

Complete the expression.

- $8^2 \cdot 2^6$
- A  $>$
  - B  $<$
  - C  $=$

(c)



## PREVIEW

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- C 17
- D 16

- B 13 m
- C 72 m
- D 36 m



Complete the expression.

$8^2 + 4^3 = \square$

- A 28
- B 128
- C 145
- D 76

(b)

Evaluate the expression.

$(16 - 6)^2 - (4 + 2)^2$

- A 16
- B 8
- C 81
- D 64

(d)