Exponents

Math

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

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 $15 \cdot 6$

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 3^2.

$V = s^3$

4 Complete the expression.

8^2 ◯ 2^6

A >

5

7

B 12
C 17
D 16

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

9 Complete the expression.

$8^2 + 4^3 =$ ▢

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

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