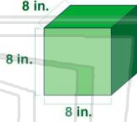




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 A cube has width, length, and height which all measure the same. The volume of a cube, therefore, would be  $s^3$  where  $s$  = the length of one side. What would the volume of an 8 inch cube be?

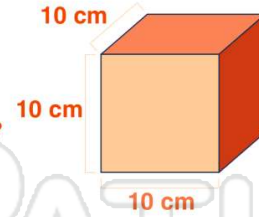
- A 64 sq. in.
- B 512 cu. in.
- C 640 cu. in.
- D 512 sq. in.



2 The volume of a 10 cm cube would be  $10^3$ .

True or false?

- A true
- B false



3 Groups of small fish often increase exponentially when food is plentiful. If a school of 12 fish is expected to grow  $12^2$  over the course of a year, how many fish will most likely be in the tank when the

4 Flower bulbs grow larger and split into smaller bulbs each year. If 8 bulbs make 8 smaller, new bulbs, and this process continues, how many bulbs will be available after 4 years?



## PREVIEW

7 Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

B false



B false



9  $16^2 = 16 \times 16 = 320$

True or false?

- A true
- B false



$16^2$

10  $10^3 = 10 \times 10 \times 10 = 10,000$

True or false?

- A true
- B false



$10^3$



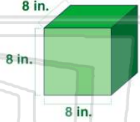
# Evaluate Exponents

Math

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

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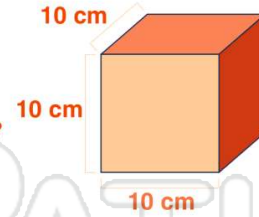


(B)

2 The volume of a 10 cm cube would be  $10^3$ .

True or false?

- A true
- B false



(A)

3 Groups of small fish often increase exponentially when food is plentiful. If a school of 12 fish is expected to grow  $12^2$  over the course of a year, how many fish will most likely be in the tank when the

(C)

4 Flower bulbs grow larger and split into smaller bulbs each year. If 8 bulbs make 8 smaller, new bulbs, and this process continues, how many bulbs will be available after 4 years?

(D)



(A)

## PREVIEW

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(B)

B false



B false



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True or false?

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$16^2$

(B)

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$10^3$

(B)