



Name _____ Class _____ Date _____

1 When calculating the value of a number with an exponent, **multiply the number by itself as many times as indicated by the exponent.**

Ex: $5^4 = 5 \times 5 \times 5 \times 5 = 625$.

What is 4^5 or $4 \times 4 \times 4 \times 4 \times 4$?

- A 1,024
- B 2,450
- C 256
- D 4,096



3 $10^4 = 10 \times 10 \times 10 \times 10 =$

- A 1,000
- B 10,000
- C 4,000
- D 100,000



2 $7^3 = 7 \times 7 \times 7 =$

- A 21
- B 49
- C 343
- D 147



4 $20^2 = 20 \times 20 =$

- A 40
- B 40.0
- C 404
- D 400



5



PREVIEW

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7

- A 65
- B 360



True or false?

- A true
- B false

9

$4^3 = 4 \times 4 \times 4 = 60$

True or false?

- A true
- B false



10

$5^3 = 5 \times 5 \times 5 = 125$

True or false?

- A true
- B false





ANSWER KEY

When calculating the value of a number with an exponent, **multiply the number by itself as many times as indicated by the exponent.**

Ex: $5^4 = 5 \times 5 \times 5 \times 5 = 625$.

What is 4^5 or $4 \times 4 \times 4 \times 4 \times 4$?

- A 1,024
- B 2,450
- C 256
- D 4,096



(a)

$$7^3 = 7 \times 7 \times 7 = \square$$

- A 21
- B 49
- C 343
- D 147



(c)

$$10^4 = 10 \times 10 \times 10 \times 10 = \square$$

- A 1,000
- B 10,000
- C 4,000
- D 100,000



(b)

$$20^2 = 20 \times 20 = \square$$

- A 40
- B 40.0
- C 404
- D 400



(d)



PREVIEW

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6
A
B
C
D 360

True or false?

- A true
- B false

$$4^3 = 4 \times 4 \times 4 = 60$$

True or false?

- A true
- B false



(b)

$$5^3 = 5 \times 5 \times 5 = 125$$

True or false?

- A true
- B false



(a)