

PRACTICE QUIZ

Name: Key

- 1) Tell which property is represented. Write the entire property name.
 $16 + 0 = 16$

Identity Property

- 2) Tell which property is represented. Write the entire property.
 $8 + 3 = 3 + 8$

Commutative Property

- 3) Tell which property is represented. Write the entire property name.
 $(3 \times 4) \times 5 = 3 \times (4 \times 5)$

Associative Property

- 4) Find the Value of 2^5

$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 = 32$

- 5) Find the Value of 4^0

$4^0 = 1$

MULTIPLY

6) $6 \cdot 10^3$
6,000

7) $716 \cdot 10^4$
716,000

Write each number in scientific notation

8) 34,000
 3.4×10^4

9) 3,001,000
 3.001×10^6

10) 0.00000021
 2.1×10^{-7}

11) 0.03689
 3.689×10^{-2}

PRACTICE QUIZ

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Convert each number from scientific notation to real

12) 9.944×10^5 ✓
994400

13) 1.485×10^{-6}
.000001485

Simplify each expression. SHOW YOUR WORK

14) $15 \cdot 3 + 12 \cdot 2$
 $45 + 24$
69

15) $4^3 - (3 + 12 \cdot 2 - 9)$
 $64 - (3 + 24 - 9)$
 $64 - (27 - 9)$
 $64 - 18$
46

16) $19 - 8 \cdot 5 \div 10 + 6 \div 3$
 $19 - 40 \div 10 + 6 \div 3$
 $19 - 4 + 2$
 $15 + 2$
17

17) $(15 - 6)^2 \div 3 - 3^3$
 $9^2 \div 3 - 3^3$
 $81 \div 3 - 27$
 $27 - 27$
0

18) $(6 \cdot 3 - 12)^2 \div 9 + 7$
 $(18 - 12)^2 \div 9 + 7$
 $6^2 \div 9 + 7$
 $36 \div 9 + 7$
 $4 + 7$
11

19) $25 + 7(18 - 4^2)$
 $25 + 7(18 - 16)$
 $25 + 7(2)$
 $25 + 14$
39

20) Jared has \$32. He buys 5 packs of trading cards that cost \$3 each and a display book that costs \$7. Simplify the expression $32 - (5 \cdot 3 + 7)$ to find out how much money Jared has left.

$32 - (5 \cdot 3 + 7)$
 $32 - (15 + 7)$
 $32 - 22 = \$10$