



PROPERTIES OF INTEGER MULTIPLICATION

1. $10 \times 9 = 9 \times 10$

- a) Associative
- b) Commutative
- c) Identity
- d) Zero

2. $(6 \times 20) \times 5 = 6 \times (20 \times 5)$

- a) Associative
- b) Commutative
- c) Identity
- d) Zero

3. What does the Commutative Property mean?

- a) When you can group numbers in any order
- b) when you can multiply numbers in any order
- c) when you multiply anything by zero you get zero
- d) none of the above

4.What does the Associative Property mean?

- a) When you can group in any order
- b) When you can multiply in any order
- c) When you multiply anything by 1 and get the same number
- d) None of the above

5.What does product mean?

- a) Answer to a addition problem
- b) Answer to a subtraction problem
- c) Answer to a division problem
- d) Answer to a multiplication problem

6.The Identity property tells us that any number multiplied by 1 is that number. Which expression below is an example of this property?

- a) $2 \times 0 = 0$
- b) $2 \times 2 = 4$
- c) $2 + 1 = 3$
- d) $2 \times 1 = 2$

7. The Zero Property of Multiplication states that any number multiplied by zero is equal to zero. Which expression below is an example of this property?

a) $3 \times 1 = 3$

b) $3 \times 0 = 0$

c) $3 + 1 = 4$

d) $3 + 0 = 3$

8. What number can I multiply ANY number by, and get that number?

a) 2

b) 0

c) 10

d) 1

9. What multiplication sentence does this array represent?

X X X X X

a) $5 \times 4 =$

b) $5 + 5 =$

c) $4 \times 6 =$

d) $5 \times 5 =$

10. What array is this?

a) $5 \times 6 = 30$

b) $6 \times 4 = 24$

c) $5 \times 5 = 25$

d) $5 \times 4 = 20$

11. Select the correct number model with the rectangular array

a) $2+2+2+2=8$

b) $3+3+3+3+3=15$

c) $5+5+5+5+5=25$

d) $4+4+4+4+4=20$

12. Complete the fact family.

$$2 \times 6 = 12$$

$$6 \times 2 = 12$$

$$12 \div 2 = 6$$

$$12 \div 6 = \underline{\quad}$$

a) 12

b) 2

c) 6

d) 3

13. Complete the fact family

$$42 \div 7 = 6$$

$$42 \div 6 = 7$$

$$7 \times 6 = 42$$

$$\underline{\quad} \times 7 = 42$$

a) 6

b) 7

c) 42

d) 49

14. Complete the fact family

$$3 \times 7 = 21$$

$$7 \times 3 = 21$$

$$21 \div 7 = 3$$

$$\underline{\quad} \div 3 = 7$$

- a) 35
- b) 21
- c) 12
- d) 2

15. When a number is divided by 1, the quotient is

- a) 0
- b) The number itself
- c) 1
- d) None of the above