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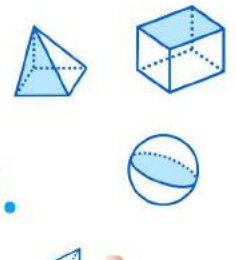

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MULTIPLICATION PROPERTIES WORKSHEET - 4

1) Find 43 × 21 using distributive property of multiplication.

2) Choose the property of multiplication used here.

$$5 \times (2 \times 9) = (5 \times 2) \times 9$$

associative commutative

3) Write the associative property of multiplication using the variables p, q and r.

4) Apply the distributive property of multiplication to find the product of 5 and 2m + 3

5) Fill in the blank: -3 × 4 = ____

6) State true or false
   a) The multiplication of 1 and a is a.
   b) The multiplication of 0 and a is a.

7) Expand the expression: $7(4n - 3)$

8) Use commutative property to find the value of r.

$$r \times 5 = 3 \times 5$$

9) Is (7 × 2) × 5 equal to 7 × (2 × 5)? If yes, why?

10) Use the distributive property of multiplication to solve the problem:

$$-3 \times (14 + 28)$$

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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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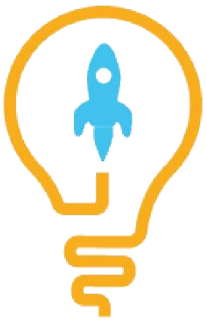
ANSWERS



1)	903
2)	associative
3)	$p \times (q \times r) = (p \times q) \times r$
4)	$10m + 15$
5)	-12
6)	True, False
7)	$28n - 21$
8)	3
9)	Yes, by using associative property of multiplication
10)	-126

FUN FACT

1. The associative property tells us that we can multiply the numbers in an equation irrespective of the grouping of those numbers.

2. The word "Commutative" originates from the word "commute," which means "to move around".

3. The multiplication of two negative numbers is always positive.