

TUESDAY HOMEWORK

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Understanding Order and Grouping in Multiplication

Directions: Solve the following problems by applying the commutative and associative properties, which state that changing the order or grouping of numbers does not change the product in multiplication.

1: Solve the following multiplication problems:

a) $6 \times 3 = 18$

b) $3 \times 6 = 18$

100%

2: Solve the following multiplication problems:

a) $8 \times 2 = 16$

b) $2 \times 8 = 16$

3: Solve the following multiplication problems using parentheses:

a) $(2 \times 4) \times 3 = 24$

b) $2 \times (4 \times 3) = 24$

4: Solve the following multiplication problems using parentheses:

a) $(5 \times 3) \times 4 = 60$

b) $5 \times (3 \times 4) = 60$

5: There are 5 baskets, each with 4 apples. How many apples are there in total? Solve using the distributive property. $5 \times 4 = 20$

6: A factory produces 3 cars every hour for 8 hours. How many cars are produced? Solve using the distributive property. $3 \times 8 = 24$

$(3 \times 1) \times 8 = 24$

7: Simplify the expression: $6 \times (2 + 3)$

$6 \times 5 = 30$

8: Expand the expression: $8 \times (5 + 3)$

$8 \times 8 = 64$

9: A theater has 6 rows, each with 8 seats. How many seats are there in total? Solve using the distributive property. $6 \times 8 = 48$

Great job!
You are improving with the commutative and associative properties.
Let's focus a little more on see problem #3.
See me before you leave today
standard 3.PA.3.3