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3.OA.B.5 Using Multiplication Properties in Problem Solving

3.OA.B.5: Apply properties of operations as strategies to multiply and divide.

Answer the question below.

1. Which property of multiplication is shown in this array?







Find the missing factors.

 $5 \times = 4 \times 5$

3. $7 \times (2 \times 3) = (\times 2) \times 3$

 \times 7 = 7 \times 2

Write the missing number and explain your answer.

 \times 5 = 0 6.

Answer:

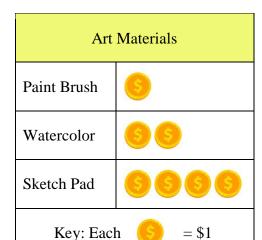
Use the pictograph to answer the questions below.

7. Ashley bought 2 paintbrushes. How much did she spend?

Answer:

8. Which costs more: 4 watercolors or 6 paintbrushes?

Answer:



9. Margaret bought 3 sketch pads. Show how you can use the commutative property to find the total cost.

Answer:





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3.OA.B.5: Apply properties of operations as strategies to multiply and divide.

Answer Key

Answer the question below.

1. Which property of multiplication is shown in this array?

Answer: Commutative Property





Find the missing factors.

$$2. \qquad 5 \times \qquad 4 \qquad = 4 \times 5$$

3.
$$7 \times (2 \times 3) = ($$
 $7 \times 2) \times 3$

$$4. \qquad 2 \qquad \times 7 = 7 \times 2$$

Write the missing number and explain your answer.

6.
$$0 \times 5 = 0$$

Answer: Zero Property of Multiplication states that the product of zero and any number equals 0.

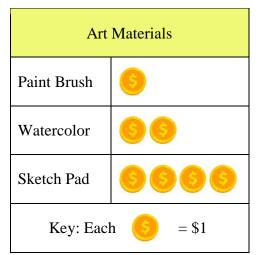
Use the pictograph to answer the questions below.

7. Ashley bought 2 paintbrushes. How much did she spend?

Answer: \$2

8. Which costs more: 4 watercolors or 6 paintbrushes?

Answer: 4 watercolors



9. Margaret bought 3 sketch pads. Show how you can use the commutative property to find the total cost.

Answer: 3 sketch pads \times \$4 = \$12 and \$4 \times 3 sketch pads = \$12

