

Name: _____

Date: _____

1.

Which of these multiplication facts is related to this addition problem?

$$3 + 3 + 3 + 3 + 3 =$$

- A. $3 \times 3 =$
- B. $15 \times 3 =$
- C. $3 \times 5 =$
- D. $5 \times 5 =$

2. Which is equivalent to the following?

$$7 \cdot 3 + 4 \cdot 6$$

- A. $7 \cdot 3 + 6 \cdot 4$
- B. $7 \cdot 4 + 3 \cdot 6$
- C. $25 \cdot 6$
- D. $7 \cdot 42$

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3. Jan has 40 bags of marbles. There are 70 marbles in each bag. How many marbles does Jan have?

- A. 110
- B. 280
- C. 1110
- D. 2800

3 NBT - Part 1 (3NBT_Part1)

4. Jon works as a waiter. He places a bowl of dinner rolls on 6 different tables. There are 7 dinner rolls in each bowl.

Part A

How many total dinner rolls did Jon place on the tables? Show your work.

Part B

Another waiter, Yasmine, places 60 glasses on the tables she is serving. She places an equal number of glasses on each table. How many tables could Yasmine serve and how many glasses would Yasmine place on each table? Show your work or explain your answer.

Part C

Jon served 8 meals during the first hour. Yasmine served 10 meals during the same time. Each meal cost \$10. Write an equation to find the total cost, c , of the meals served by Jon and Yasmine.

If Jon and Yasmine served the same number of meals each hour for the next 3 hours as they did the first hour, what would be the difference between the total numbers of meals Jon and Yasmine served? Show your work.

**Be sure to complete ALL parts of the task.
Write your answer and show your work on the paper provided.
Do NOT type your answer in the text box below.**

5. Ariana made the row of square-centimeter tiles as shown.



Part A

How many square-centimeter tiles did Ariana use?

Part B

Ariana made 3 more rows using the same number of tiles as in Part A. She put all of the rows together to make a larger rectangle. What is the area of the larger rectangle? Explain your answer.

Part C

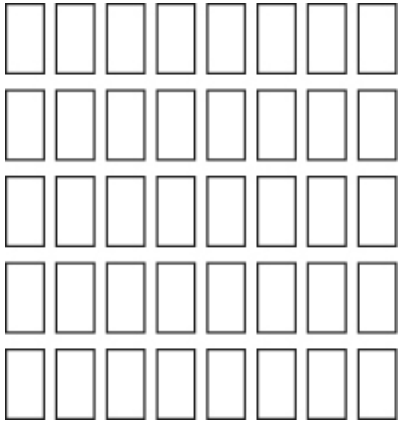
Write an expression, using only multiplication, which can be used to find the area of the larger rectangle. Show your work or explain your answer.

**Be sure to complete ALL parts of the task.
Write your answer and show your work on the paper provided.
Do NOT type your answer in the text box below.**

6. Which expression is equal to $(5 \times 4) + (5 \times 6)$?

- A. $5 + (4 \times 6)$
 - B. $5 \times (4 + 6)$
 - C. $(5 \times 5) + (4 \times 6)$
 - D. $(5 + 4) \times (5 + 6)$
-

7. Amy lined up the cards shown for a memory game.



Which equation correctly shows 2 ways to find the total number of cards Amy lined up for the memory game?

- A. $5 \times 8 = (5 + 4) \times (5 + 4)$
 - B. $5 \times 8 = (5 \times 4) \times (5 \times 4)$
 - C. $5 \times 8 = (5 + 4) + (5 + 4)$
 - D. $5 \times 8 = (5 \times 4) + (5 \times 4)$
-

8. Carlos is solving the number sentence shown below.

$$15 \times 12 = \square$$

Which of the following methods could he use to find the correct solution?

- A. $(15 + 10) + (15 + 2)$
- B. $(15 + 10) \times (15 + 2)$
- C. $(15 \times 10) \times (15 \times 2)$
- D. $(15 \times 10) + (15 \times 2)$

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9. A bay is 12 fathoms deep. A fathom is equal to 6 feet. How many feet deep is the bay?

- A. 2 feet
 - B. 18 feet
 - C. 72 feet
 - D. 96 feet
-

3 NBT - Part 1 (3NBT_Part1)

10. Mrs. Wall bought eight books of stamps. If each book contains 18 stamps, how many stamps did she buy?

- A. 10
- B. 26
- C. 84
- D. 144

Answer Key

1. C) $3 \times 5 =$

2. A) $7 \cdot 3 + 6 \cdot 4$

3. D) 2800

4.

5.

6. B) $5 \times (4 + 6)$

7. D) $5 \times 8 = (5 \times 4) + (5 \times 4)$

8. D) $(15 \times 10) + (15 \times 2)$

9. C) 72 feet

10. D) 144