

NAME \_\_\_\_\_



## **Unit 5 Post-Assessment** page 1 of 3

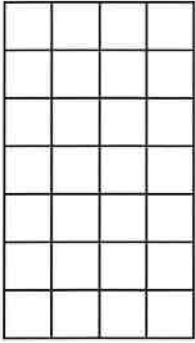
**1** Solve each story problem. Write a sentence and equation for each problem.

- a) A t-shirt costs \$9 at the mall. A pair of shoes costs 5 times as much as a t-shirt. How much does a pair of shoes cost?
  
  
  
  
  
  
  
  
  
  
- b) There are 40 chairs in the gym. Mr. Brown wants to put 8 chairs in each row for the play. How many rows can he make?
  
  
  
  
  
  
  
  
  
  
- c) Jon has 8 pieces of string. Each piece of string is 5 feet long. How many feet of string does he have in all?
  
  
  
  
  
  
  
  
  
  
- d) Maddie picked 45 plums and divided them evenly into 5 bags for her friends. How many plums did she put in each bag?

*(continued on next page)*

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- 2** Write 2 multiplication and 2 division equations (a fact family) to describe this array.



$$\begin{array}{l} \underline{\quad} \times \underline{\quad} = \underline{\quad} \qquad \underline{\quad} \div \underline{\quad} = \underline{\quad} \\ \underline{\quad} \times \underline{\quad} = \underline{\quad} \qquad \underline{\quad} \div \underline{\quad} = \underline{\quad} \end{array}$$

- 3** Solve the story problem. Then write an equation and sentence to match the problem.

The Game Store got 6 cartons of jigsaw puzzles. There were 6 puzzles in each carton. Devon unpacked all the puzzles. He arranged them in 4 equal stacks. How many puzzles are there in each stack?

Equation: \_\_\_\_\_

Sentence: \_\_\_\_\_

- 4** Fill in the missing number to solve each equation.

$10 = 30 \div \underline{\quad}$

$35 = 5 \times \underline{\quad}$

$\underline{\quad} \div 4 = 9$

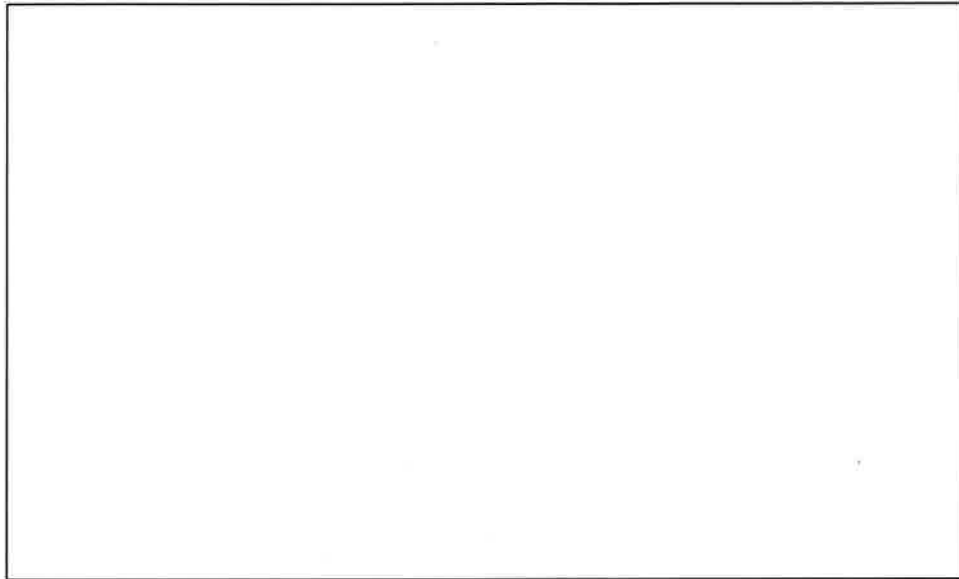
$\underline{\quad} \times 8 = 40$

$3 \times 9 = 9 \times \underline{\quad}$

$2 \times 10 = 5 \times \underline{\quad}$

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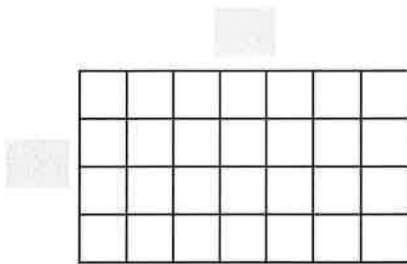
**5** Use colored tiles to find the area of this rectangle.



The area of this rectangle is \_\_\_\_ square units.

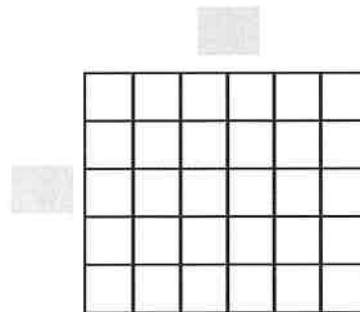
**6** Label each rectangle with its dimensions and area. Then write a multiplication equation to show how you found the area of the rectangle.

**a**



Area = \_\_\_\_\_ square units  
Equation:

**b**



Area = \_\_\_\_\_ square  
Equation:

**7** Mark **all** the statements about area that are true.

- ☐ If you want to find out how many cups something holds, you measure its area.
- ☐ It would make sense to use square inches to find the area of a piece of copy paper, and square yards to find the area of a football field.
- ☐ You can find the area of a rectangle by multiplying its length by its width.
- ☐ The whiteboard is 4 feet wide and 8 feet long. Its area is 32 square feet.