

Unit 5 Module 1 | Session 1 class set, plus 1 copy for display

NAME _____

DATE _____

**Unit 5 Pre-Assessment** page 1 of 4**1** Draw a line from each problem on the left to the matching equation on the right.

Then write the correct answer.

- a** A T-shirt costs \$10 at the mall. A jacket costs 4 times as much as a T-shirt. How much does a jacket cost?

$18 \div 6 = \underline{\quad}$

- b** Jeff and his sister picked 18 flowers. They put 6 flowers in each vase. How many vases did they use?

$24 \div 4 = \underline{\quad}$

- c** The third graders are setting up the room for Grandparents' Day. They set up 3 rows of chairs with 9 chairs in each row. How many chairs in all?

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

- d** There are 4 minivans to take 24 kids to the museum. How many kids will ride in each van if all the vans take the same number of kids?

$4 \times 10 = \underline{\quad}$

2 Fill in the answer to both equations. Then write a story problem to match each one.

a $4 \times 5 = \underline{\quad}$

My Story Problem:

b $14 \div 2 = \underline{\quad}$

My Story Problem:

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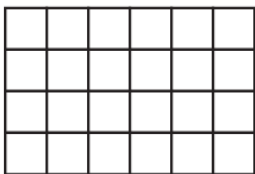
Unit 5 Module 1 | Session 1 class set, plus 1 copy for display

NAME _____

DATE _____

Unit 5 Pre-Assessment page 2 of 4

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



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

- 4** Solve each story problem. Use numbers, labeled sketches, or words to show your thinking, and write the answer. Then write an equation to match the problem.

- a** The pet store just got 24 new turtles. Petra is putting the turtles into terrariums. She puts 6 turtles in each terrarium. How many terrariums does she use?

Work:

Petra uses _____ terrariums.

Equation: _____

- b** The pet store has 9 puppies. Each puppy drinks 6 cups of water each day. How many cups of water do all of the puppies, together, drink in one day?

Work:

The puppies drink _____ cups of water in one day.

Equation: _____

(continued on next page)

Unit 5 Module 1 | Session 1 class set, plus 1 copy for display

NAME _____

DATE _____

Unit 5 Pre-Assessment page 3 of 4

5 The pet store got 4 boxes of new dog collars. There were 6 dog collars in each box. Petra unpacked all the collars and hung them up in 3 equal rows on the wall. How many collars in each row?

a Choose the equation that could help you solve this problem.

$(4 + 6) \times 3 = c$

$(4 \times 6) \div 3 = c$

$4 + 6 + 3 = c$

$(4 \times 6) - 3 = c$

b Solve the problem. Show all your work.

Answer: There were _____ collars in each row.

6 Fill in the missing number to solve each equation.

$15 \div \underline{\quad} = 5$

$24 = 4 \times \underline{\quad}$

$4 = \underline{\quad} \div 5$

$\underline{\quad} \times 3 = 21$

7 Jami has to solve this story problem:

There are 32 fourth graders in the gym. The gym teacher divides them into 4 equal groups. How many fourth graders in each group?

a Jami says she can solve the problem by thinking, “4 times *what number* equals 32?” Do you agree with Jami? Why or why not?

b Write and solve a division equation to match Jami’s problem.

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Unit 5 Module 1 | Session 1 class set, plus 1 copy for display

NAME _____

DATE _____

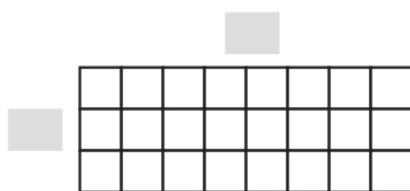
Unit 5 Pre-Assessment page 4 of 4

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



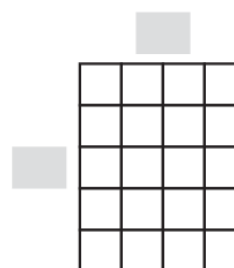
The area of this rectangle is _____ square units.

- 9** 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 units

Equation

- 10** Mark **all** the statements about area that are true.

- Area is measured in square units.
- If you want to find out how long something is, you measure its area.
- You can find the area of a rug that is 5 feet long and 3 feet wide by multiplying 5×3 .
- When you measure the area of something, you find out how much space it takes up.