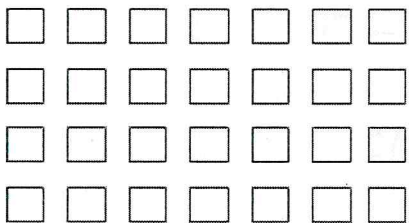


## Grade 3 Module 3 Topic A Study Guide

1. Use the array to write two different multiplication sentences.



$$\underline{4} \times \underline{7} = \underline{28}$$

$$\underline{7} \times \underline{4} = \underline{28}$$

Fill in the blanks (with a number or a word) to make the equations true.

$$2 \text{ sixes} = \underline{6} \text{ twos} \\ = 12$$

$$10 \text{ fours} = 4 \text{ tens} \\ = \underline{40}$$

$$6 \times 5 = \underline{5} \times 6 \\ = 30$$

$$\underline{4} \times 6 = 6 \times \underline{4} \\ = 24$$

$$8 \times 4 = 2 \text{ fours} + \underline{6} \text{ fours} \\ = \underline{32}$$

$$5 \text{ twos} + 2 \text{ twos} = \underline{7} \times \underline{2} \\ = \underline{14}$$

Find the value of the unknown

$$6 \times w = 24$$

$$w = \underline{4}$$

$$y \div 4 = 6$$

$$y = \underline{24}$$

Elizabeth used a total of 24 cups of flour to bake some bread. She used 4 cups of flour for each loaf of bread. How many loaves of bread did she bake? Represent the problem using multiplication and division sentences and a letter for the unknown. Then, solve the problem.

$$\underline{4} \times \underline{6} = \underline{24}$$

$$4 \times B = 24$$

$$\underline{24} \div \underline{4} = \underline{6}$$

$$24 \div 4 = B$$

Karen says, "If I know  $2 \times 8 = 16$ , then I know the answer to  $8 \times 2$ ." Use words, numbers, and pictures to explain why this is true.

$2 \times 8$  is the same as  $8 \times 2$ .  $8 \times 2 = 16$

8 twos = 2 eights

