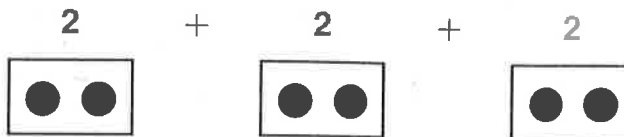


Lesson Objective: Write an addition sentence and a multiplication sentence for a model.

Algebra • Relate Addition and Multiplication

You can add to find how many in all.

You can also multiply to find how many in all when you have equal groups.



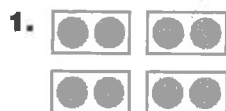
$$3 \times 2 = 6$$

The **factors** are 3 and 2.
The **product** is 6.

So, $2 + 2 + 2 = 6$ and $3 \times 2 = 6$.

Math HW
Return by 11/17/16

Write related addition and multiplication sentences for the model.



$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

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



$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

Draw a quick picture to show the equal groups. Then write related addition and multiplication sentences.

3. 4 groups of 3

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

4. 2 groups of 3

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

Name _____

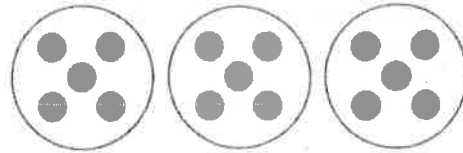
Relate Addition and Multiplication

Draw a quick picture to show the equal groups. Then write related addition and multiplication sentences.

1. 3 groups of 5

$$\underline{5} + \underline{5} + \underline{5} = \underline{15}$$

$$\underline{3} \times \underline{5} = \underline{15}$$



2. 3 groups of 4

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

3. 4 groups of 3

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

4. 5 groups of 2

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

Complete. Write a multiplication sentence.

5. $7 + 7 + 7 = \underline{\quad}$

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

6. $3 + 3 + 3 = \underline{\quad}$

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

Problem Solving

7. There are 6 jars of pickles in a box. Ed has 3 boxes of pickles. How many jars of pickles does he have in all? Write a multiplication sentence to find the answer.

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$ jars

8. Each day, Jani rides her bike 5 miles. How many miles does Jani ride in all in 4 days? Write a multiplication sentence to find the answer.

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$ miles