



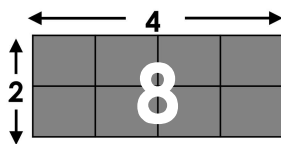
WATCH ME FIRST!



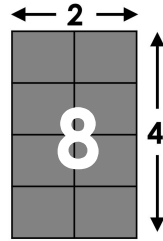
Commutative Property

When multiplying, reversing the order of the factors does **not** change the product.

How are 2×4 and 4×2 the same?



$$2 \times 4 = 8$$



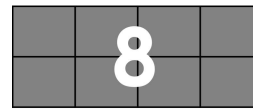
$$4 \times 2 = 8$$

Both have the same _____ 8

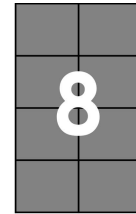
AND

Both have the same factors: _____ & _____ .

How are 2×4 and 4×2 different?



$$2 \times 4 = 8$$



$$4 \times 2 = 8$$

The order of _____ is reversed.

AND

The _____ look different.

LET'S WORK TOGETHER!

- 1a) Mrs. Coleman arranged the desks into 5 equal rows. Four desks were in each row. Use the graph paper below to create a rectangular array. Find the total number of desks that she moved.

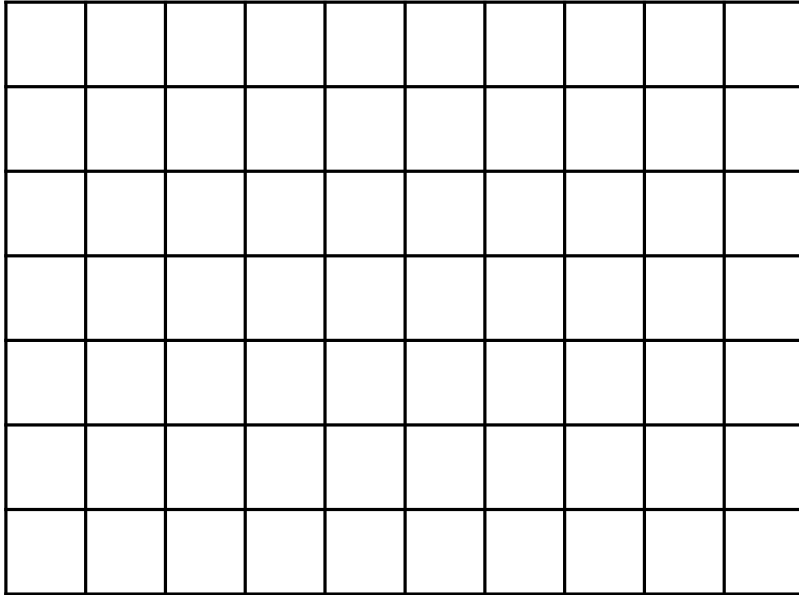
Fill in the blanks

_____ \times _____ = _____



LET'S WORK TOGETHER! (continued)

1b) Mrs. Coleman rearranged the desks in her room. She made 4 equal rows with five desks in each row. Use the graph paper to create a rectangular array to find the total number of desks.



Fill in the blanks

_____ × _____ = _____

How are 5×4 and 4×5 the same?

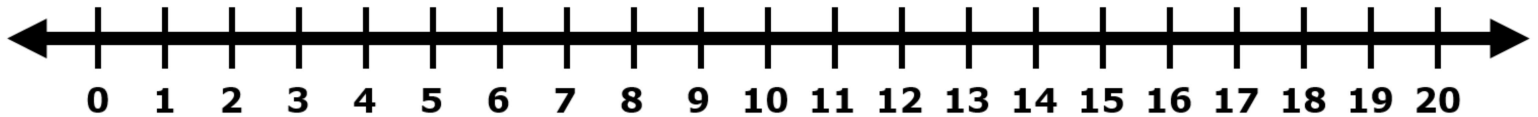
How are 5×4 and 4×5 different?

Use the model to explain the commutative property.



LET'S WORK TOGETHER! (continued)

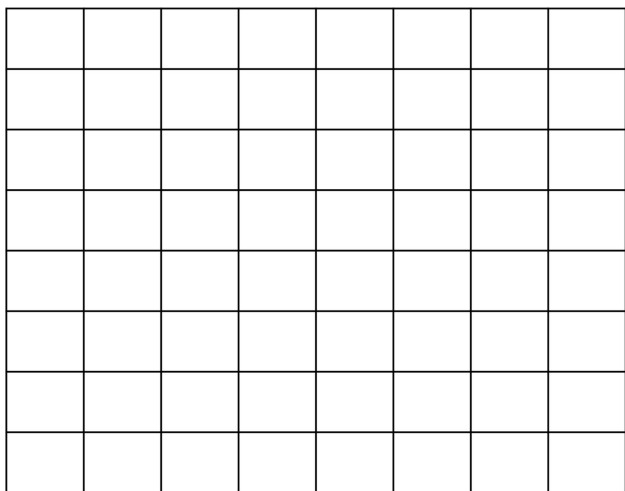
2) Sara and Kim played a game. Sara jumped 3 feet four times. When it was Kim's turn she jumped 4 feet three times. Which student jumped the farthest?



Explain your answer.

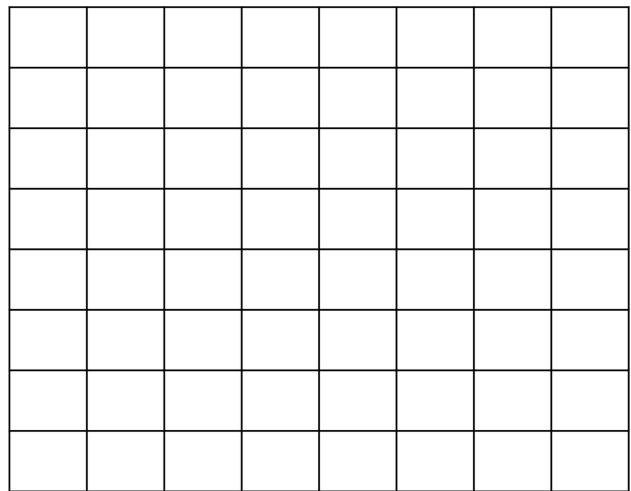
YOUR TURN!

1) Use the graph paper to create a rectangular array for 2×6 . Next, create another model to show the commutative property. Fill in the blanks for both facts.



Fact #1:

_____ \times _____ = _____



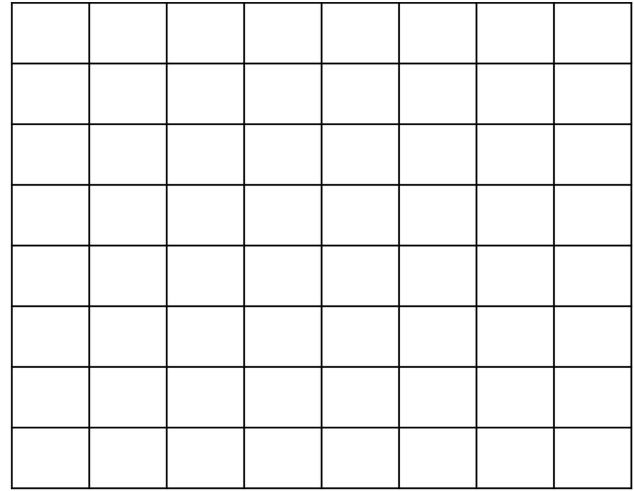
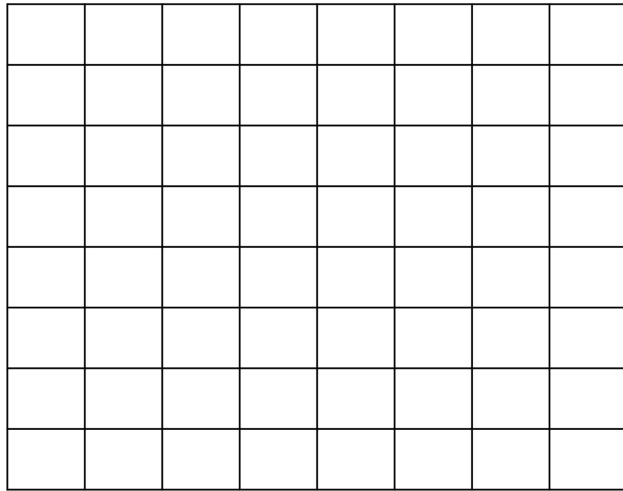
Fact #2:

_____ \times _____ = _____



YOUR TURN! (continued)

2) Use the graph paper to draw a rectangular array to find the products of 3×5 and 5×3 . What does this problem show you about multiplication?

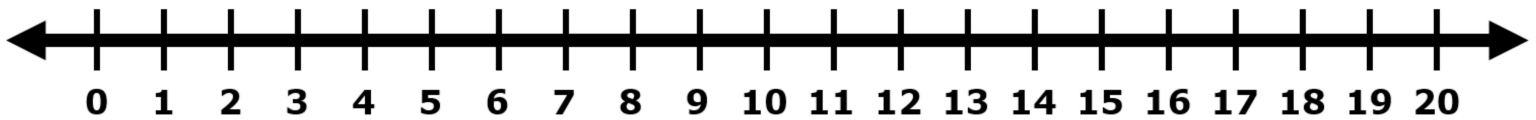


3) How can the commutative property help you learn multiplication facts?



YOUR TURN! (continued)

- 4) Use the double number line to solve 4×2 and 2×4 . Name one thing that is the same and one thing that is different between the facts.



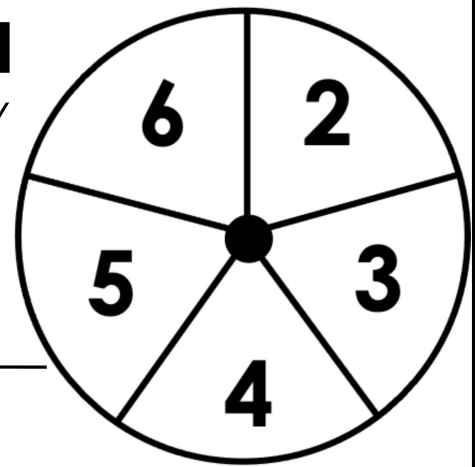
Same	
Different	

- 5) You know that 3×8 equals 24. How could you find the product of 8×3 ? Explain your answer.



EXTRA PRACTICE LESSON 1

MULTIPLICATION COMMUTATIVE PROPERTY



Name: _____ Date: _____

Directions: Use a paper clip, pencil, and the number wheel to generate two different numbers. Create a multiplication fact and fill in the blanks. Next, create a model with graph paper and place it in the 1st Task box. Finally, reverse the order of the factors and repeat.

Task A

My Numbers: _____ and _____



GLUE HERE

There are _____ groups of _____ = _____
 _____ × _____ = _____
(# of groups) (# of objects in each group) (Total number of objects)

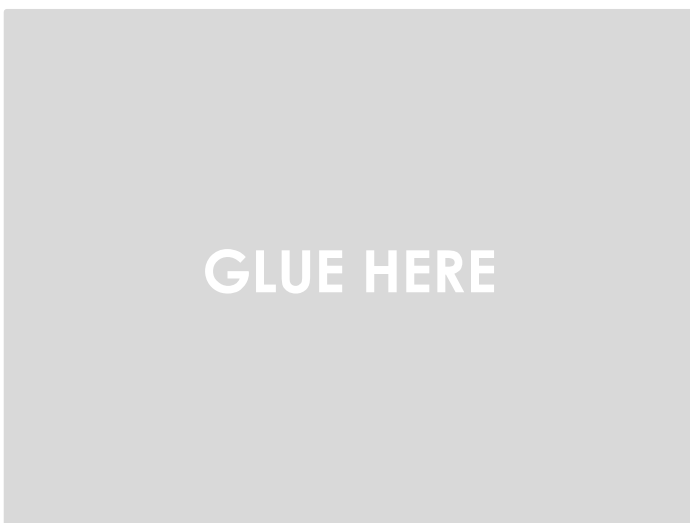


GLUE HERE

There are _____ groups of _____ = _____
 _____ × _____ = _____
(# of groups) (# of objects in each group) (Total number of objects)

Task B

My Numbers: _____ and _____



GLUE HERE

There are _____ groups of _____ = _____
 _____ × _____ = _____
(# of groups) (# of objects in each group) (Total number of objects)



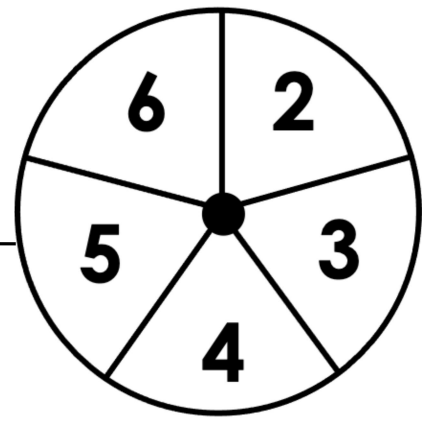
GLUE HERE

There are _____ groups of _____ = _____
 _____ × _____ = _____
(# of groups) (# of objects in each group) (Total number of objects)



EXTRA PRACTICE LESSON 1

MULTIPLICATION COMMUTATIVE PROPERTY



Task C

My Numbers: _____ and _____

GLUE HERE

There are _____ groups of _____ = _____
 _____ × _____ = _____
(# of groups) (# of objects in each group) (Total number of objects)

GLUE HERE

There are _____ groups of _____ = _____
 _____ × _____ = _____
(# of groups) (# of objects in each group) (Total number of objects)

Task D

My Numbers: _____ and _____

GLUE HERE

There are _____ groups of _____ = _____
 _____ × _____ = _____
(# of groups) (# of objects in each group) (Total number of objects)

GLUE HERE

There are _____ groups of _____ = _____
 _____ × _____ = _____
(# of groups) (# of objects in each group) (Total number of objects)



EXTRA PRACTICE LESSON 1

MULTIPLICATION COMMUTATIVE PROPERTY

Materials Needed:



Use the graph paper below to create models.

