

Multiplication Concept Builder 3.2

$$5 \times 5 = 25$$

Groups

X

of

"Things"

=

TOTAL

Draw the **FACT**. Cross out extra groups. For the "things" in each group, draw \checkmark , ☺ , ♥ , etc.

--	--	--	--	--	--	--	--	--

___ + ___ + ___ + ___ + ___ + ___ + ___ + ___ + ___

Multiplication is **REPEATED ADDITION!**



Rewrite the fact:

$$\bigcirc \times \bigcirc = \square$$

Write the **COMMUTATIVE**:

$$\bigcirc \times \bigcirc = \square$$

Draw the **COMMUTATIVE**. Cross out extra groups. For the "things" in each group, draw \checkmark , ☺ , ♥ , etc.

--	--	--	--	--	--	--	--	--

___ + ___ + ___ + ___ + ___ + ___ + ___ + ___ + ___

Below are the **ARRAYS** for the fact and commutative. Record the factors: the number of groups (rows) and "things" (circles per row). Then write the product (total). The commutative has been done for you.

ARRAY for 5X5

1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5

Commutative

$$\frac{5}{\text{Groups of "Things" (Rows of Circles)}} \times \frac{5}{\text{Product Total}} = \frac{25}{\text{Product Total}}$$

Your Turn!

1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5

Fact

$$\frac{\quad}{\text{Groups of "Things" (Rows of Circles)}} \times \frac{\quad}{\text{Product Total}} = \frac{\quad}{\text{Product Total}}$$

Create a **FACT FAMILY**. Write the **FACTORS** in the circles. Write the **PRODUCT** in the boxes.

Write the fact here. $\bigcirc \times \bigcirc = \square$ $\square \div \bigcirc = \bigcirc$

Write the commutative here. $\bigcirc \times \bigcirc = \square$ $\square \div \bigcirc = \bigcirc$