

Multiplication Concept Builder 4.3

$$9 \times 3 = 27$$

Groups of "Things" TOTAL

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

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_____ + _____ + _____ + _____ + _____ + _____ + _____ + _____ + _____

Multiplication is **REPEATED ADDITION!**



Rewrite the fact: $\bigcirc \times \bigcirc = \square$

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

Write the **COMMUTATIVE**: $\bigcirc \times \bigcirc = \square$

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

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

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_____ + _____ + _____ + _____ + _____ + _____ + _____ + _____ + _____

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 3X9

1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9

Commutative

$$\frac{3}{\text{Groups of "Things" (Rows of Circles)}} \times \frac{9}{\text{Product Total}} = \frac{27}{\text{Product Total}}$$

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

Your Turn!

ARRAY for 9X3

1	2	3
1	2	3
1	2	3
1	2	3
1	2	3
1	2	3
1	2	3
1	2	3
1	2	3
1	2	3

Fact

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. $\bigcirc \times \bigcirc = \square$ $\square \div \bigcirc = \bigcirc$