

# Multiplication Concept Builder 1.1

$$0 \times 4 = 0$$

Groups of "Things" TOTAL

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

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\_\_\_ + \_\_\_ + \_\_\_ + \_\_\_ + \_\_\_ + \_\_\_ + \_\_\_ + \_\_\_ + \_\_\_

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  $\checkmark$ ,  $\text{☺}$ ,  $\text{♥}$ , 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 fact has been done for you.

**ARRAY** for 0X4

Fact

$$\frac{0}{\text{Groups of (Rows of)}} \times \frac{4}{\text{"Things" (Circles)}} = \frac{0}{\text{Product Total}}$$

Your Turn!

**ARRAY** for 4X0


Commutative

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

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

$$\bigcirc \times \bigcirc = \square \quad \square \div \bigcirc = \bigcirc$$

$$\bigcirc \times \bigcirc = \square \quad \square \div \bigcirc = \bigcirc$$