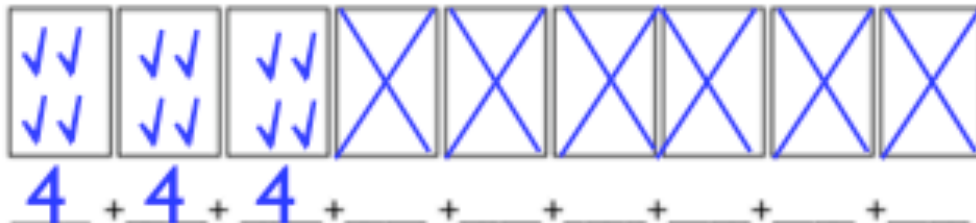


Multiplication Concept Builder 6.2

$$3 \times 4 = 12$$

Groups of "Things" TOTAL

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



Multiplication is **REPEATED ADDITION!**



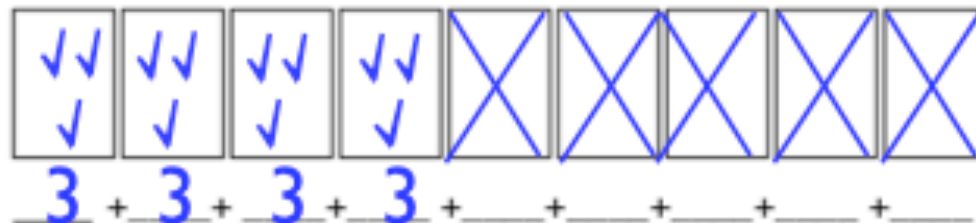
Rewrite the fact:

$$3 \times 4 = 12$$

Write the **COMMUTATIVE**:

$$4 \times 3 = 12$$

Draw the **COMMUTATIVE**. Cross out extra groups. For the "things" in each group, draw \checkmark , \odot , \heartsuit , 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 fact has been done for you.

ARRAY for 3X4



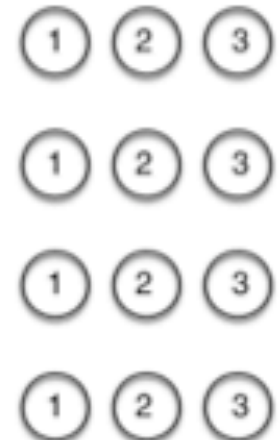
Fact

$$3 \times 4 = 12$$

Groups of "Things" (Rows of Circles) Product Total

Your Turn!

ARRAY for 4X3



Commutative

$$4 \times 3 = 12$$

Groups of "Things" (Rows of Circles) Product Total

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

$$3 \times 4 = 12 \quad 12 \div 4 = 3$$

$$4 \times 3 = 12 \quad 12 \div 3 = 4$$