

# Multiplication Concept Builder 7.3

$$8 \times 4 = 32$$

Groups

X

of

4

"Things"

=

32

TOTAL

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

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

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

Multiplication is **REPEATED ADDITION!**



Rewrite the fact:

○ X ○ = □

Write the **COMMUTATIVE**:

○ X ○ = □

Draw the **COMMUTATIVE**. Cross out extra groups. For the "things" in each group, draw ✓, ☺, ♥, 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 4X8



Commutative

$$\begin{array}{rcl} 4 & \times & 8 \\ \hline \end{array} = \begin{array}{rcl} 32 \\ \hline \end{array}$$

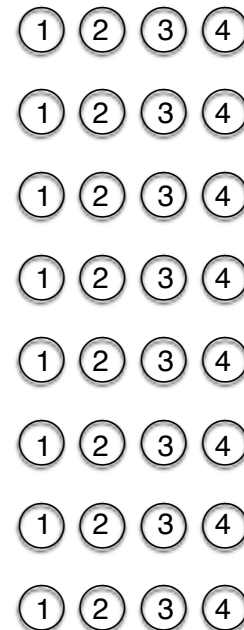
Groups of "Things"      Product  
(Rows of Circles)      Total

$$\begin{array}{rcl} & \times & \\ \hline \end{array} = \begin{array}{rcl} & & \\ \hline \end{array}$$

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

Your Turn!

## ARRAY for 8X4



Fact

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

○ X ○ = □	□ ÷ ○ = ○
○ X ○ = □	□ ÷ ○ = ○