

# Multiplication Concept Builder 5.3

$$6 \times 8 = 48$$

Groups

X

of

8

"Things"

=

48

TOTAL

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

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

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.

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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.

Your Turn!

**ARRAY** for 8X6

1	2	3	4	5	6
1	2	3	4	5	6
1	2	3	4	5	6
1	2	3	4	5	6
1	2	3	4	5	6
1	2	3	4	5	6
1	2	3	4	5	6
1	2	3	4	5	6

Commutative

$$\frac{8}{\text{Groups of "Things" (Rows of Circles)}} \times \frac{6}{\text{Things}} = \frac{48}{\text{Product Total}}$$

**ARRAY** for 6X8

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

Fact

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

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

○ X ○ = □      □ ÷ ○ = ○

○ X ○ = □      □ ÷ ○ = ○