

Multiplication Concept Builder 8.2

$$7 \times 7 = 49$$

Groups of "Things" TOTAL

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

+	+	+	+	+	+	+	+	+	+

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 , ☺ , ♥ , 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 7X7

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

Commutative

Your Turn!

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

Fact

$$\frac{7}{\text{Groups of "Things" (Rows of Circles)}} \times \frac{7}{\text{"Things" (Circles per Row)}} = \frac{49}{\text{Product Total}}$$

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

Write the fact here.

Write the commutative here.

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

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