

# 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  $\checkmark$ ,  $\text{☺}$ ,  $\text{♥}$ , 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  $\checkmark$ ,  $\text{☺}$ ,  $\text{♥}$ , 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

1	2	3	4
1	2	3	4
1	2	3	4

Fact

Your Turn!

**ARRAY** for 4X3

1	2	3
1	2	3
1	2	3
1	2	3

Commutative

$$\begin{array}{r} 3 \times 4 = 12 \\ \text{Groups of "Things"} \quad \text{Product} \\ \text{(Rows of Circles)} \quad \text{Total} \end{array}$$

$$\begin{array}{r} \underline{\quad} \times \underline{\quad} = \underline{\quad} \\ \text{Groups of "Things"} \quad \text{Product} \\ \text{(Rows of Circles)} \quad \text{Total} \end{array}$$

Write the fact here.

Write the commutative here.

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

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

# Multiplication Concept Builder 6.1

$$7 \times 6 = 42$$

Groups of "Things" TOTAL

Draw the **FACT**. Cross out extra groups. For the "things" in each group, draw  $\checkmark$ ,  $\text{☺}$ ,  $\text{♥}$ , 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  $\checkmark$ ,  $\text{☺}$ ,  $\text{♥}$ , 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 6X7

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!*

**ARRAY** for 7X6

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

*Fact*

$6 \times 7 = 42$   
Groups of "Things" (Rows of Circles)      Product Total

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$   
Groups of "Things" (Rows of Circles)      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.

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

# Multiplication Concept Builder 6.3

$$7 \times 8 = 56$$

Groups

X

of

8

"Things"

=

56

TOTAL

Draw the **FACT**. Cross out extra groups. For the "things" in each group, draw  $\checkmark$ ,  $\text{☺}$ ,  $\text{♥}$ , 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  $\checkmark$ ,  $\text{☺}$ ,  $\text{♥}$ , 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 8X7**

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
1	2	3	4	5	6	7

*Commutative*

*Your Turn!*

**ARRAY for 7X8**

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

*Fact*

$8 \times 7 = 56$

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

\_\_\_\_\_ X \_\_\_\_\_ = \_\_\_\_\_

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

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