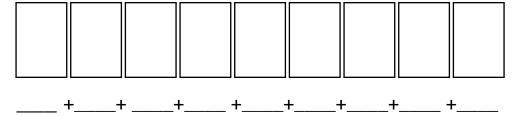
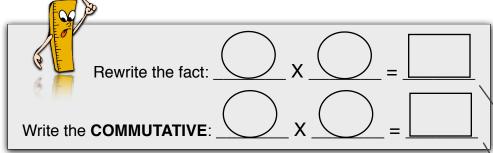




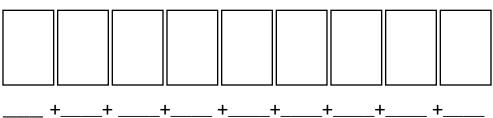
Draw the **FACT**. Cross out extra groups. For the "things" in each group, draw \checkmark , \odot , \heartsuit , etc.



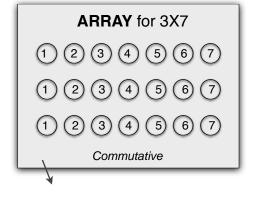
Multiplication is **REPEATED ADDITION!**



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

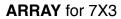


Below are the **ARRAYS** for the fact and commutative. Record the <u>factors</u>: the number of groups (rows) and "things" (circles per row). Then write the <u>product</u> (total). The commutative has been done for you.



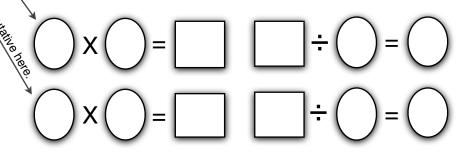
$$\frac{3}{\text{Groups of "Things"}} \times \frac{7}{\text{Product}} = \frac{21}{\text{Product}}$$
(Rows of Circles)

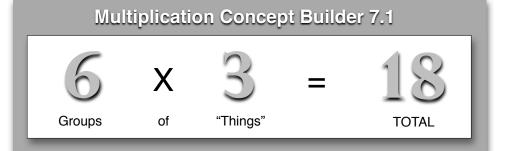




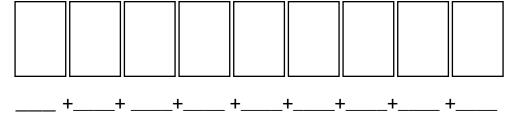
- 1 2 3
- 1 2 3
- 1 2 3
- 1 2 3
- 1 2 3
- 1 2 3
- 1 2 3 Fact

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

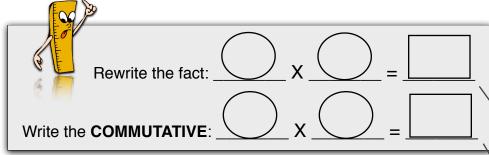




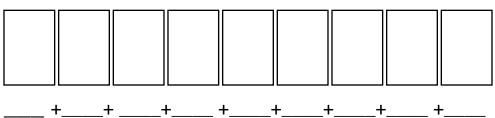
Draw the **FACT**. Cross out extra groups. For the "things" in each group, draw \checkmark , \odot , \blacktriangledown , etc.



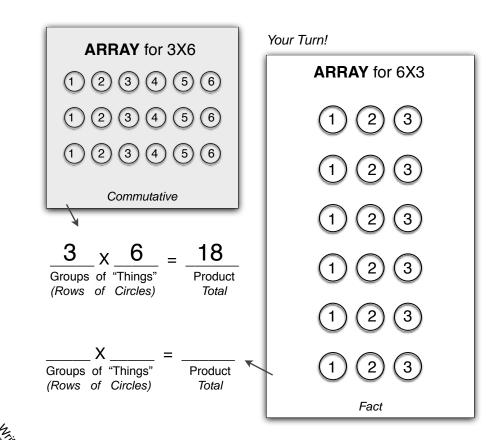
Multiplication is **REPEATED ADDITION!**



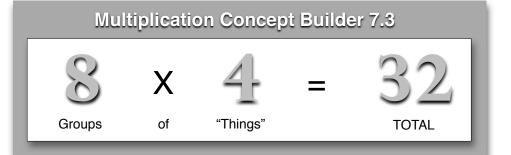
Draw the **COMMUTATIVE**. Cross out extra groups. For the "things" in each group, draw \checkmark , \odot , $, \odot$, etc.



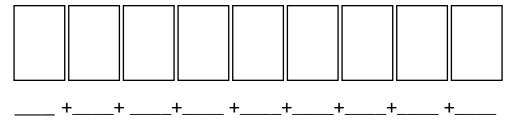
Below are the **ARRAYS** for the fact and commutative. Record the <u>factors</u>: the number of groups (rows) and "things" (circles per row). Then write the <u>product</u> (total). The commutative has been done for you.



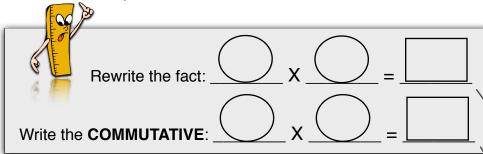
Create a **FACT FAMILY**. Write the **FACTORS** in the circles. Write the **PRODUCT** in the boxes.



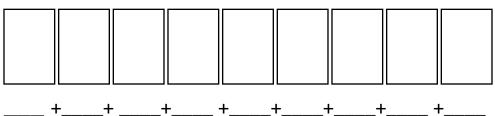
Draw the **FACT**. Cross out extra groups. For the "things" in each group, draw \checkmark , \odot , \blacktriangledown , etc.



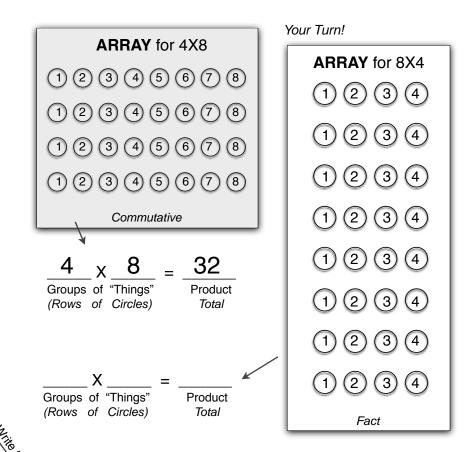
Multiplication is **REPEATED ADDITION!**



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



Below are the **ARRAYS** for the fact and commutative. Record the <u>factors</u>: the number of groups (rows) and "things" (circles per row). Then write the <u>product</u> (total). The commutative has been done for you.



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

