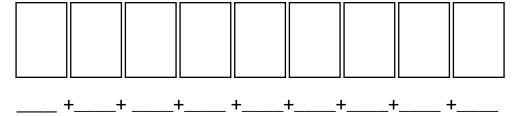
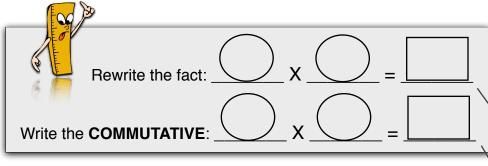


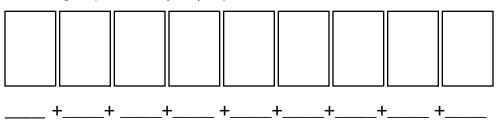
Draw the **FACT**. Cross out extra groups. For the "things" in each group, draw  $\checkmark$ ,  $\odot$ ,  $\heartsuit$ , etc.



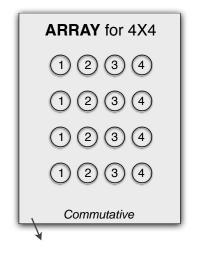
Multiplication is **REPEATED ADDITION!** 



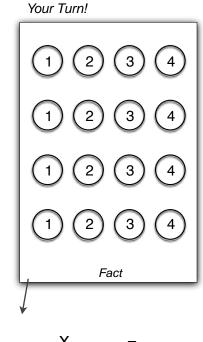
Draw the **COMMUTATIVE**. Cross out extra groups. For the "things" in each group, draw  $\checkmark$ ,  $\odot$ ,  $\heartsuit$ , etc.



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.



$$\frac{4}{\text{Groups of "Things"}} \times \frac{4}{\text{Froduct}} = \frac{16}{\text{Product}}$$
(Rows of Circles)



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

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