Nathan

Multiplication Concept Builder 2.1
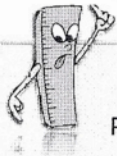
$$2 \times 3 = 6$$

Groups   of   "Things"   TOTAL

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 fact has been done for you.

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

3 + 3 + ___ + ___ + ___ + ___ + ___ + ___ + ___

Multiplication is **REPEATED ADDITION!**

Rewrite the fact: ② X ③ = 6

Write the **COMMUTATIVE**: ③ X ② = 6

Write the fact here.

Write the commutative here.

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

2 + 2 + 2 + ___ + ___ + ___ + ___ + ___ + ___

ARRAY for 2X3

① ② ③
① ② ③

Fact

ARRAY for 3X2

Your Turn!

① ②
① ②
① ②

$$\underline{2} \times \underline{3} = \underline{6}$$

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

Commutative

$$\underline{3} \times \underline{2} = \underline{6}$$

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

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

② X ③ = 6   6 ÷ ③ = ②

③ X ② = 6   6 ÷ ② = ③