

Multiplication Concept Builder 4.2

$$9 \times 6 = 54$$

Groups

X

of

"Things"

=

TOTAL

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

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_____ + _____ + _____ + _____ + _____ + _____ + _____ + _____ + _____

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.

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_____ + _____ + _____ + _____ + _____ + _____ + _____ + _____ + _____

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 6X9

①	②	③	④	⑤	⑥	⑦	⑧	⑨
①	②	③	④	⑤	⑥	⑦	⑧	⑨
①	②	③	④	⑤	⑥	⑦	⑧	⑨
①	②	③	④	⑤	⑥	⑦	⑧	⑨
①	②	③	④	⑤	⑥	⑦	⑧	⑨
①	②	③	④	⑤	⑥	⑦	⑧	⑨

Commutative

Your Turn!

ARRAY for 9X6

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
①	②	③	④	⑤	⑥
①	②	③	④	⑤	⑥
①	②	③	④	⑤	⑥

Fact

$$\frac{6}{\text{Groups of "Things" (Rows of Circles)}} \times \frac{9}{\text{Product Total}} = \frac{54}{\text{Product Total}}$$

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

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

○ × ○ = □	□ ÷ ○ = ○
○ × ○ = □	□ ÷ ○ = ○

Write the fact here.

Write the commutative here.