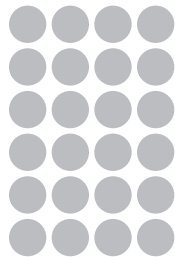# The Distributive Property
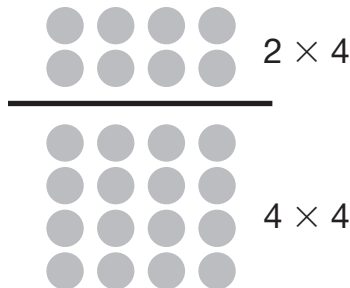
With the Distributive Property, you can break apart a multiplication fact into the sum of two other facts.

The array below shows
6 × 4 or 6 rows of
4 circles.

6 × 4

You can draw a line to break apart
6 rows of 4 circles into **2** rows of
4 circles *and* **4** rows of 4 circles.

2 × 4
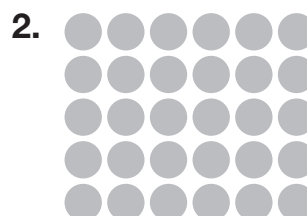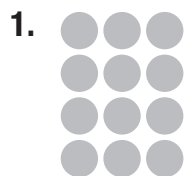
4 × 4

The new facts that stand for the two smaller arrays are
(2 × 4) and (4 × 4).

You can write a number sentence to show this relationship:
6 × 4 = (2 × 4) + (4 × 4).

Draw a line to separate each array into two smaller arrays.
Write the new facts.

1.

(——— × ———) and (——— × ———)

2.

(——— × ———) and (——— × ———)

3. Model Don breaks a 4 × 7 array into a 2 × 7 array and another array.
What is the fact for Don's second array? Write a number sentence that
models the relationship of the 4 × 7 array to the other two arrays.

_____

_____