There are different ways of indicating multiplication.

- 2 3
- 2 3

All these expressions are telling you to "multiply 2 times 3".

- 2(3)
- (2)(3)

What does multiplication mean?

$$2 \times 3 = + +$$

$$3 \times 2 = +$$

Note:
$$2 \times 3 = 3 \times 2$$

The Commutative Property for Multiplication

4 x 3

4 x 4

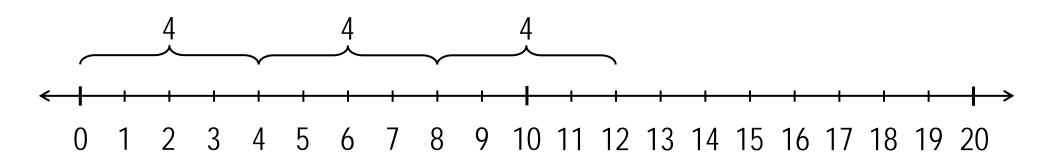
4 x 5

4 x 6

4 x 7

4 x 8

12



$$7 \times 8 = 70 - 14 =$$

$$7 \times 9 = 70 - 7 =$$

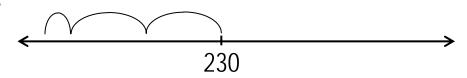
$$7 \times 10 =$$

$$7 \times 11 = 70 + 7 =$$

$$7 \times 12 = 70 + 14 =$$

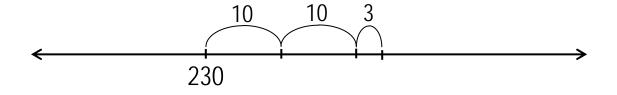
$$8 \times 7 = 8 + 8 + 8 + 8 + 8 + 8 =$$

$$23 \times 9 = 230 - 23 = 207$$



$$23 \times 10 = 230$$

$$23 \times 11 = 230 + 23 = 253$$



$$23 \times 12 = 230 + 46 = 276$$

