

## WARM UP

Rewrite with the associative property.

■  $(11 + 16) + 7 =$

■  $8 + (19 + 12) =$

■  $251 + 36 + (49 + 13) =$

# MATH COURSE I

Commutative  
Property

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Mrs. Culverwell

# VOCABULARY

Commutative Property: (commute: to travel back and forth) two or more numbers can be multiplied or added in **any order**

**\*Numbers move!**

# REMEMBER

- Commutative is for ONLY **addition** and **multiplication!**

# Commutative Property

**\*\*You can add or multiply numbers in any order!**

Example:  $11 + 6 = 6 + 11$

$$17 = 17$$

$$7 \times 5 = 5 \times 7$$

$$35 = 35$$

**\*\*HINT\*\***

**\*Numbers move... (COMMUTE)**

# COMMUTATIVE PROPERTY PRACTICE

**\*Use commutative property to find combination of 10 to making it easier!**

$$17 + 5 + 3 + 15 = (15 + 5) + (17 + 3)$$

Practice:

$$3 + 12 + 7 + 6 =$$

$$4 + 13 + 6 + 7 =$$

# COMMUTATIVE PRACTICE

■ Rewrite using the commutative property:

1)  $6 + 7 + 8$

2)  $7 \times 2$

3)  $16 \times 32 \times 56$

4)  $14 + 3 + 19$

5) Can you rewrite this one using commutative?

$$5 \times 6 + 3$$

Why or why not?

# Practice

- Turn to page 14. Answer questions 17-25 using the commutative and/or the associative property.