

I can use the distributive property to express the sum of two whole numbers.

Name: \_\_\_\_\_

### Distributive Property

Complete each distributive property problem. Show ALL work (I can't read minds yet)!

$4 + 6$ (First find the GCF)	$8 + 4$ (First find the GCF)
$4 + 6 = \underline{\quad} ( + )$	$8 + 4 = \underline{\quad} ( + )$
$15 + 25$	$36 + 27$
$15 + 25 = \underline{\quad} ( + )$	$36 + 27 = \underline{\quad} ( + )$
$24 + 50$	$32 + 80$

Use the Distributive Property to make equivalent expressions.

$$8(3 + 8) =$$

$$8(7 - 5) =$$

$$4(x + 5) =$$

$$9(2x + 3y) =$$

### Let's Try It Together.

Find the GCF of each pair of numbers.

1) 15 and 50

2) 8 and 24

3) 9 and 16



### Your Turn.

Find the GCF of each pair of numbers.

4) 14 and 49

5) 11 and 32

6) 28 and 44

## LOOK OUT

for words that mean  
"greatest"

7) For the school field trip to the museum, 40 boys and 56 girls will split up into groups. Each group will have the same number of boys and girls. What is the greatest number of groups that can be formed? How many boys and girls will be in each of these groups?

8) The bakery has 27 sugar cookies and 36 peanut butter cookies to put into boxes. Each box must have the same number of each type of cookie. What is the most boxes that the bakery can make using all the cookies? How many of each type of cookie will be in each box?

9) Taylor has 42 lollipops and 70 mints that she wants to make party favors with. If she wants each party favor to have the same number of lollipops and mints, what is the maximum number of party favors she can make? What will be inside each party favor?