

# Challenge

## Flower Comparison

Mr. Martin planted 75 tulips in his garden. He planted red tulips, white tulips, pink tulips, and yellow tulips.

- Mr. Martin planted 8 times as many red tulips as pink tulips.
- Mr. Martin planted twice as many white tulips as yellow tulips.
- Mr. Martin planted  $\frac{1}{2}$  as many pink tulips as yellow tulips.
- Mr. Martin planted  $\frac{1}{4}$  as many yellow tulips as red tulips.

1. Write an equation for each comparison.

a. red tulips ( $r$ ) and pink tulips ( $p$ ) \_\_\_\_\_

b. white tulips ( $w$ ) and yellow tulips ( $y$ ) \_\_\_\_\_

c. pink tulips ( $p$ ) and yellow tulips ( $y$ ) \_\_\_\_\_

d. yellow tulips ( $y$ ) and red tulips ( $r$ ) \_\_\_\_\_

2. If Mr. Martin planted 5 pink tulips, how many tulips of each color below did he plant in his garden?

Red \_\_\_\_\_ White \_\_\_\_\_ Yellow \_\_\_\_\_

3. Make a pictograph of the tulips in Mr. Martin's garden.

**Mr. Martin's Tulips**

Pink	
Red	
White	
Yellow	

 = \_\_\_\_\_ tulips

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**Students may write either multiplication or division equations. Sample answers are given.**

1. Write an equation for each comparison.

a. red tulips ( $r$ ) and pink tulips ( $p$ )       $r = p \times 8$

b. white tulips ( $w$ ) and yellow tulips ( $y$ )       $y \times 2 = w$

c. pink tulips ( $p$ ) and yellow tulips ( $y$ )       $y \div 2 = p$





d. yellow tulips ( $y$ ) and red tulips ( $r$ )       $r \div 4 = y$

2. If Mr. Martin planted 5 pink tulips, how many tulips of each color below did he plant in his garden?

Red 40      White 20      Yellow 10

3. Make a pictograph of the tulips in Mr. Martin's garden.

**Mr. Martin's Tulips**

Pink	
Red	
White	
Yellow	

 = 5 tulips