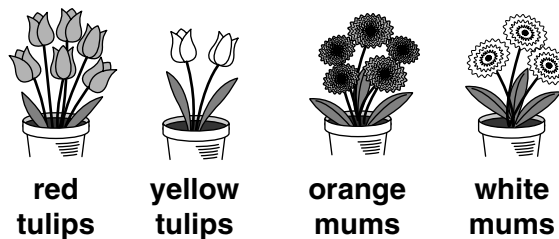


# Reteaching 5-1

Ratios

A ratio is a comparison of two numbers by division. You can write a ratio three ways.

Compare the number of red tulips to the number of yellow tulips.



6 to 2, 6 : 2, or  $\frac{6}{2}$

To find equal ratios, multiply or divide each part of the ratio by the same nonzero number.

$$\frac{6}{2} = \frac{6 \times 2}{2 \times 2} = \frac{12}{4} \quad \leftarrow \text{Multiply by 2.}$$

The ratio  $\frac{3}{1}$  is in **simplest form**.

$$\frac{6}{2} = \frac{6 \div 2}{2 \div 2} = \frac{3}{1} \quad \leftarrow \text{Divide by 2.}$$

Use the drawings at the top of the page. Write each ratio in three ways.

- |                                          |                                           |
|------------------------------------------|-------------------------------------------|
| 1. yellow tulips to red tulips<br>_____  | 2. white mums to orange mums<br>_____     |
| 3. red tulips to orange mums<br>_____    | 4. yellow tulips to white mums<br>_____   |
| 5. red tulips to all flowers<br>_____    | 6. orange mums to all flowers<br>_____    |
| 7. tulips to mums<br>_____               | 8. white mums to tulips<br>_____          |
| 9. yellow tulips to all flowers<br>_____ | 10. yellow tulips to orange mums<br>_____ |

Write two ratios equal to the given ratio.

11.  $\frac{5}{10}$  \_\_\_\_\_      12. 2:5 \_\_\_\_\_      13. 18 to 30 \_\_\_\_\_

Write each ratio in simplest form.

14.  $\frac{8}{16}$  \_\_\_\_\_      15. 8 to 2 \_\_\_\_\_      16. 10 : 15 \_\_\_\_\_  
 17.  $\frac{48}{24}$  \_\_\_\_\_      18.  $\frac{6}{100}$  \_\_\_\_\_      19. 8 : 18 \_\_\_\_\_