Reteach

Ratios

A **ratio** is a comparison of two numbers by division. A common way to express a ratio is as a fraction in simplest form. Ratios can also be written in other ways. For example, the ratio $\frac{2}{3}$ can be written as 2 to 3, 2 out of 3, or 2:3.

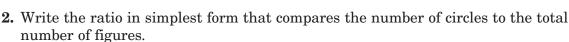
Examples

Refer to the diagram at the right.

1. Write the ratio in simplest form that compares the number of circles to the number of triangles.

So, the ratio of circles to triangles is $\frac{4}{5}$, 4 to 5, or 4:5.

For every 4 circles, there are 5 triangles.



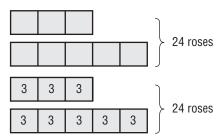
The ratio of circles to the total number of figures is $\frac{2}{5}$, 2 to 5, or 2:5. For every two circles, there are five total figures.

Example 3

Divide 24 roses into 2 groups so the ratio is 3 to 5.

Use a bar diagram. Show a group of 3 and a group of 5.

Because there are 8 sections, each section represents $24 \div 8$, or 3 roses.



There are 9 roses in the first group and 15 roses in the second group.

Exercises

Write each ratio as a fraction in simplest form. Then explain its meaning.

- 1. 2 guppies to 6 seahorses
- 2. 12 puppies to 15 kittens
- **3. SPELLING** A sentence has 5 misspelled words and 15 correctly spelled words. Find the ratio of misspelled words to correctly spelled words.