

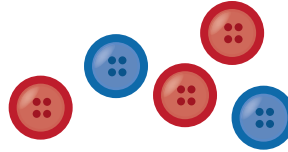
Key Concept and Vocabulary

A **ratio** is a comparison of two quantities.

3 red buttons to 2 blue buttons

3 red buttons : 2 blue buttons

The **value of the ratio** of red buttons to blue buttons is $\frac{3}{2}$.



Skill Examples

1. Ratio of blue buttons to red buttons: 2 to 3, or 2 : 3
2. Ratio of blue buttons to all buttons: 2 to 5, or 2 : 5
3. Ratio of red buttons to all buttons: 3 to 5, or 3 : 5

Application Example

4. Write the ratio of basketballs to soccer balls.

There are 4 basketballs.

There are 5 soccer balls.

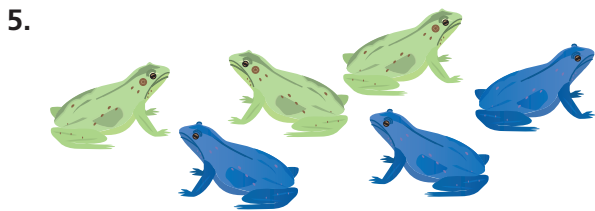
So, the ratio of basketballs to soccer balls is 4 to 5, or 4 : 5.



PRACTICE MAKES PURR-FECT®

Check your answers at BigIdeasMath.com.

Write the ratio of green objects to blue objects. Then find the value of the ratio.









Write the ratio of blue objects to *all* objects. Then find the value of the ratio.

9. Frogs in Exercise 5

10. Balloons in Exercise 6

11. Cars in Exercise 7

12. Flowers in Exercise 8

13. **CLASS RATIO** The ratio of boys to girls in a class is 5 to 4. There are 12 girls in the class. How many boys are in the class? _____