

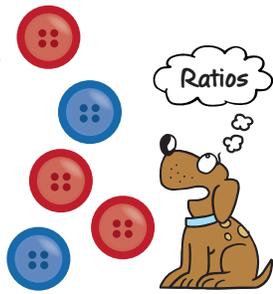
REVIEW: Ratios

Name _____

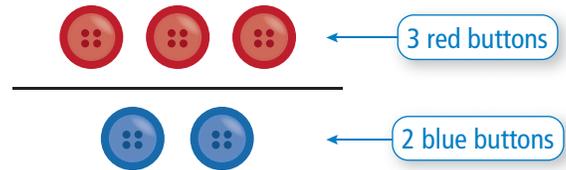
Key Concept and Vocabulary

The ratio of 3 red buttons to 2 blue buttons can be written in three ways:

$$\frac{3}{2}, \text{ 3 to 2, or } 3:2$$



Visual Model



Skill Examples

- Ratio of blue buttons to red buttons: $\frac{2}{3}$
- Ratio of blue buttons to all buttons: $\frac{2}{5}$
- Ratio of red buttons to all buttons: $\frac{3}{5}$

Application Example

- Write the ratio of basketballs to soccer balls in three ways.

There are 4 basketballs.

There are 5 soccer balls.

$$\frac{4}{5}, \text{ 4 to 5, and } 4:5$$



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Check your answers at BigIdeasMath.com.

Write the *simplified* ratio of green objects to blue objects in three ways.

5. $\frac{1}{1}, 1 \text{ to } 1, 1:1$

6. $\frac{2}{3}, 2 \text{ to } 3, 2:3$

7. $\frac{2}{3}, 2 \text{ to } 3, 2:3$

8. $\frac{4}{3}, 4 \text{ to } 3, 4:3$

Write the *simplified* ratio of blue objects to *all* objects in three ways.

9. Frogs in Exercise 5 $\frac{1}{2}, 1 \text{ to } 2, 1:2$

10. Balloons in Exercise 6 $\frac{1}{3}, 1 \text{ to } 3, 1:3$

11. Cars in Exercise 7 $\frac{1}{3}, 1 \text{ to } 3, 1:3$

12. Flowers in Exercise 8 $\frac{3}{7}, 3 \text{ to } 7, 3:7$

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? 15 boys