

Using Equivalent Ratios to Solve Problems - Lesson 3 Exercises

Complete the following exercises in your math journal. Then, watch the Exercise Review Video to check your understanding.

1. Try It!

Write at least three ratios that are equivalent to this one:

$$\frac{2}{5}$$

2. Think About This

Tell whether each of these ratio pairs are equivalent ratios. Be sure to explain why you answered as you did.

$$\frac{3}{2} = \frac{12}{8}$$

$$\frac{5}{7} = \frac{15}{18}$$

$$9:2 = 54:12$$

3. Problem Solving

Remember to show all of your thinking in your journal. *Write your answer in a complete sentence.*

- a. A church choir is looking for singers to fill all its seats, and it must keep the ratio of men's voices to women's voices at 4:5. There are a total of 25 women's voices available. How many men's voices are available for the choir?
- b. A beautiful melon ball salad, which is made up of watermelon and cantaloupe, has 72 melon balls in it. If 40 of those melon balls are made of watermelon, what is the ratio of watermelon to cantaloupe? *Simplify your answer, if necessary.*

When you're finished with these exercises, play the Exercise Review Video to see my discussion about them!