

9.12.16 Homework: Model Ratios (Review)

NAME: _____

1. In the closet, there are 10 shirts and 15 skirts.
 - a. Use a model to find the simplified ratio of shirts to skirts.
 - b. Use the same model to find the percent of the items in the closet that are shirts.

2. In my pocket, I have 8 quarters and 6 dimes.
 - a. Use a model to find the simplified ratio of quarters to dimes?
 - b. What fractional portion of the coins in my pocket are dimes?

3. On the bookshelf, there are 16 paperback and 20 hardback books.
 - a. Use a model to find the simplified ratio of paperback to hardback books.
 - b. To the nearest whole number, find the percent of paperback books on the shelf.

4. During gym class, there are 7 footballs and 49 tennis balls.
 - a. Use a model to find the simplified ratio of footballs to tennis balls.
 - b. If the ratio of footballs to tennis balls stays the same and there are 21 footballs, how many tennis balls would you expect to have?

5. In the toolbox, there are 4 nails and 30 screws.
 - a. Use a model to find the simplified ratio of nails to screws.
 - b. What fractional portion of the items are nails?

6. In a classroom, there are 12 girls and 8 boys.
- What fraction of the students in the class are girls?
 - What percent of the class are girls?
7. In the fridge, there are $2\frac{1}{2}$ bananas and 10 apples.
- Use a model to find the simplified ratio of apples to bananas.
 - What percent of the fruit is bananas?
8. A package of Skittles has 2 red skittles, 4 green skittles, and 4 purple skittles.
- Use a model to find the simplified ratio of red : green : purple candies.
 - What percent of the skittles are purple?
 - If the ratio of red : green : purple is always the same and there are 120 skittles in a package, how many of each color do you expect to have?
9. The ratio of rabbits to birds at the pet store is 5:2.
- Find three equivalent ratios and
 - What fraction of the rabbits and birds at this pet store are birds?
10. In a gummy bear package the ratio of red to yellow to clear gummy bears is 3:2:5.
- What percent of the gummy bears are yellow?
 - What fraction of the gummy bears are clear?