Additional Practice – Module 1, Part 1

1. Describe a situation, using ratio language, which could be modeled with the ratio 3:8.

1. Write a ratio using all three formats for the following description: For every 1 slice of cheese in a sandwich, there are 2 slices of bread.
2. Give **two different ratios** with a **description of the ratio relationship** using the following information:

*There are 10 dogs at the kennel. There are 4 cats at the kennel.*

Ratio: \_\_\_\_\_\_\_\_\_\_ Description:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ratio:\_\_\_\_\_\_\_\_\_\_ Description:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. For every six dollars that Joe saves in his account, his brother saves 7 dollars in his account.

a. Write the ratio described in the scenario above.

b. If Joe has 54 dollars in his account, how much money does his brother have in his account? Use a tape diagram to support your answer.

c. Record the equivalent ratio using the information from part b above.

d. Create another possible ratio that describes the relationship between Joe’s account and his brother’s account.

1. When Katie looked out at the school parking lot, she noticed that for every 3 SUVs, there were 5 minivans. If there are 128 SUVs and minivans total in the parking lot, how many of them are SUVs?
2. Alyssa’s extended family is staying at the lake house this weekend for a family reunion. She is in charge of making homemade pancakes for the entire group. The pancake mix requires 4 cups of flour for every 8 pancakes.
3. Write a ratio to show the relationship between the number of cups of flour and the number of pancakes made.
4. Determine the value of the ratio.
5. Use the value of the ratio to fill in the following two multiplicative comparison statements.

The number of pancakes made is \_\_\_\_\_\_\_\_ times the amount of cups of flour needed.

The amount of cups of flour needed is \_\_\_\_\_\_\_\_ of the number of pancakes made.

1. If Alyssa has to make 48 pancakes, how many cups of flour will she have to use? Create a double number line diagram to answer this question.
2. Meg’s cat weighs 25 pounds. Annie’s cat weighs 40 pounds. Meg claims the ratio of the weight of her cat to Annie’s cat is 10:14. Is Meg correct? Prove your answer using the values of the ratios.
3. Victor is making recipes for smoothies. His first recipe calls for 2 cups of strawberries and 7 cups of other ingredients. His second recipe says that 3 cups of strawberries are combined with 9 cups of other ingredients. Which smoothie recipe has more strawberries compared to other ingredients? Use **ratio tables** to justify your answer.
4. Jen and Nikki are making bracelets to sell at the local market. They determined that each bracelet would have eight beads and two charms.

Complete the table below to show the ratio of the number of charms to the number of beads.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Charms | 2 | 4 | 6 | 8 | 10 |
| Beads | 8 |  |  |  |  |

Create ordered pairs from the table and plot the pairs on the graph below. Label the axes of the graph and provide a title.

