

NAME _____

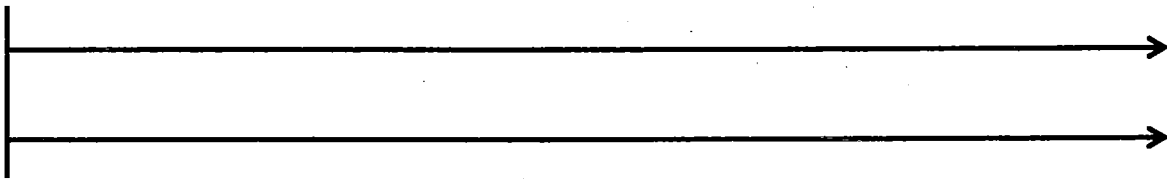
HW Module 1, Lesson 12

Use a double number line diagram to solve ratio problems related to the real world.

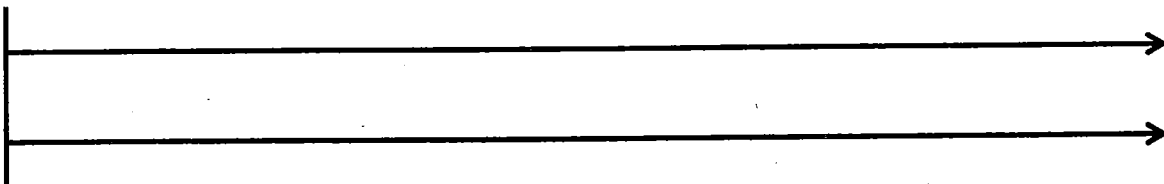
Since the problems in the problem set are a bit of a challenge, we're going to start with 2 easier problems.

- You **MUST** solve problems 1 and 2 using double number lines.
- Then, you **MUST** choose problem 1 OR 2 on the back of this paper to do. They're the same idea, just more challenging numbers.

1. The zookeeper has determined that it takes a total of 25 bananas to make his 7 monkeys happy. Use a double number line to determine how many bananas he will need if he has 17 monkeys. Write your answer in a sentence

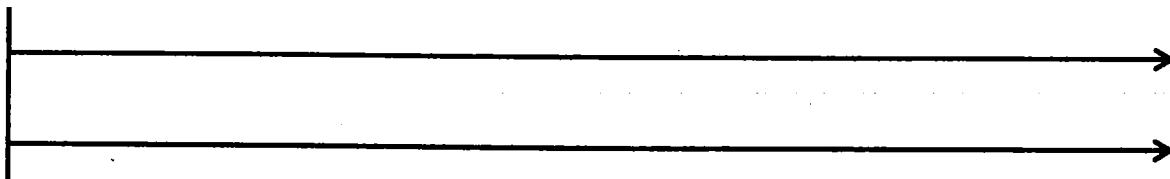


2. Mrs. McKee is making a fruit salad. She discovered that the perfect ratio of bananas to apples was 8 bananas for every 5 apples. She needs to make the salad for a large crowd and will be using all of the 22 apples she has. If she sticks with the same ratio, how many bananas will she need? Use a double number line to solve. Write your answer in a sentence.



You must choose 1 of these to solve. Use the double number line and write your answer in a sentence.

3. While shopping, Kyla found a dress that she would like to purchase, but it costs \$52.25 more than she has. Kyla charges \$5.50 an hour for babysitting. She wants to figure out how many hours she must babysit to earn \$52.25 to buy the dress.



4. Frank has been driving at a constant speed for 3 hours, during which time he traveled 195 miles. Frank would like to know how long it will take him to complete the remaining 455 miles, assuming he maintains the same constant speed. Help Frank determine how long the remainder of the trip will take. Include a table or diagram to support your answer.

