Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

**Solving Ratios Using Tape Diagrams Review**

*Directions: Draw a tape diagram for each problem to help answer the question. Be sure to label what each represents.*

**Example:**

Ashton created a new drink by mixing 2 parts melon juice with 3 parts orange juice. If Ashton used 18 ounces of melon juice, how many ounces of orange juice would be needed?

18

Melon Juice

Orange Juice

?

2 bars = 18 ounces, so 1 bar = 9 ounces. Orange juice has 3 bars so 3•9 = 27 ounces

1. For every 5 calendars that Jackson sold, Mary sold 4. Jackson sold 45 calendars last month. How many calendars did Mary sell?
2. For every 3 cars that Kimberly sells, Joan sells 4. Jane sold 32 cars last month. How many cars did Kimberly sell?
3. The ratio of boys to girls who participated in the pie-eating contest was 7:2. There were 35 boys. How many girls participated?
4. The ratio of the length of Grace’s string to the length of Peter’s string is 5:6. Peter’s string measures 60 inches. How long is Grace’s string?
5. The ratio of blue marbles to yellow marbles is 5:6. If there are 42 yellow marbles how many blue marbles are there?
6. The ratio of motorcycles to minivans in the parking lot is 2:5. If there are 14 motorcycles, how many minivans are there?
7. Noah and Naomi shared some marshmallows in the ratio 3:2. If Naomi had 12 marshmallows, how many marshmallows did Noah have?
8. Meagan created a new drink by mixing 2 parts guava juice with 5 parts mango juice. If Meagan used 12 ounces of guava juice, how many ounces of mango juice would be needed?
9. Karen and Sammy shared a cash prize in the ratio 3:7. If Sammy received $77, how much money did Karen receive?
10. The ratio of the length of Mara’s wire to the length of Amman’s wire is 5:6. Amman’s wire measures 36 inches. How long is Mara’s wire?