

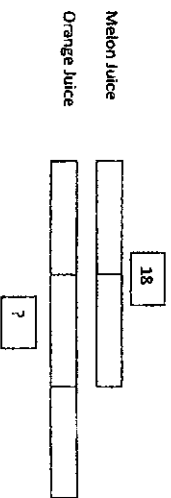
Name: _____ Class: _____ Date: _____

Practice Solving Ratios Using Tape Diagrams

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

Example:

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



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

1. For every 5 calendars that Austin sold, Lara sold 4. Austin sold 45 calendars last month. How many calendars did Lara sell?

2. For every 3 cars that Kelly sells, Jane sells 4. Jane sold 32 cars last month. How many cars did Kelly 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 trucks to minivans in the parking lot is 2:5. If there are 14 trucks, how many minivans are there?

7. Noah and Hunter shared some marshmallows in the ratio 3:2. If Hunter had 12 marshmallows, how many marshmallows did Noah have?

8. Megan created a new drink by mixing 2 parts guava juice with 5 parts mango juice. If Megan used 12 ounces of guava juice, how many ounces of mango juice would be needed?

9. Kara and Sam shared a cash prize in the ratio 3:7. If Sam received \$77, how much money did Kara receive?

10. The ratio of the length of Mary's wire to the length of Aymari's wire is 5:6. Aymari's wire measures 36 inches. How long is Mary's wire?