Chapter 4 Practice Problems

1. Luis add 3 strawberries for every 2 blueberries in his fruit smoothie. Write all the possible ways to show the ratio for blueberries to the total amount of fruit.

2. Bryson had 24 cars in a box that were either red, white, or blue. In the box 7 cars were blue and 5 cars were red. How many white cars are in the box? What is the ratio of red cars to white cars? What is the ratio of white cars to blue cars?

3. Bennett ran 3 miles in 21 minutes. Ivan ran 5 miles in 30 minutes.
    What was their unit rates?
    Who is the faster runner and why?

4. A box of almonds cost $3.90 for 15 ounces. A box of pecans cost $3.30 for 11 ounces.
    What was the unit rate for each box of nuts?
    Which type of nut has a more expensive unit rate?

5. Paxton bought 4 watermelon for $26. How much would it cost her if she bought 28 watermelon? Use a ratio table and proportion to solve the problem.

6. Hayden earns $42 for babysitting for 5 hours. If Hayden charges the same rate, how much will she make for babysitting for 8 hours? Use a proportion or unit rate.
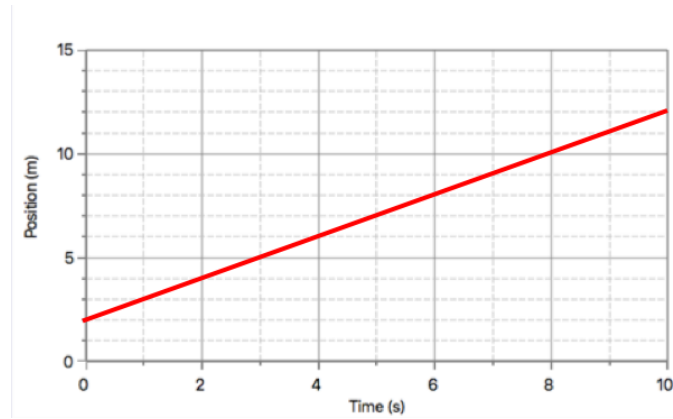
7. Determine whether each ratio is equivalent to 6/12 , 2/3 , or 3/4. Write each ratio in the correct portion of the table.

    6:9 , 4:8 , 7 to 14 , 12/16 , 30/45 , 21 to 28 , 9 to 12 , 20:30

6 to 12	2 to 3	3 to 4

8. Abby goes to the pool to swim laps.

   Using the graph below, how far did Abby swim in 12 seconds.

9. Complete the table and then answer the questions.

Ratio of Colored Marbles							
Blue Marbles		6	8		14	18	
Green Marbles	5		20	25		45	100

   How many blue marbles will you have if you have 200 green marbles?
   How many green marbles will you have if you have 50 blue marbles?