2.4- Proportion Word Problems

- 1. A jet travels 450 miles in 2 hours. At this rate, how far could the jet fly in 8 hours?
- 2. An ice cream factory makes 30 quarts of ice cream in 5 hours. How many quarts could be made in 12 hours?
- **3.** The bakers at Healthy Bakery can make 350 bagels in 10 hours. How many bagel can they bake in 17 hours?
- 4. A frame is 9 in wide and 6 in tall. If it is reduced to a width of 3 in then how tall will it be?
- 5. Andrew bought 8-shirts for \$520. How much would he need to pay for 10 shirts at this same rate?
- **6.** A Girl Scout troop uses 14 flashlight batteries on a three-night camping trip. If they are planning a seven night camping trip, how many batteries should they bring?
- **7.** A cookie recipe calls for 3 eggs to make 4 dozen cookies. How many eggs would need to make 20 dozen cookies?
- **8.** Mr. George divided his money in the ration of 2 : 6 between Evan and Ricky. Evan got the smaller amount of \$420. How much did Ricky receive?
- **9.** The ratio of cubes to spheres in a geometry box is 13 to 15. If there are 91 cubes then how many spheres are there?
- **10.** The ratio of blue marbles to red marbles in a game is 9 : 14. If there are 56 red marbles then how many blue marbles are there?
- **11.** The ratio of apples to oranges in a fruit basket is 11 to 14. If there are 225 apples and oranges in the fruit basket altogether then how many apples are there?
- **12.** The ratio of red m & m's to brown m & m's in a bag is 10 : 5. If there are 30 m & m's in the bag then how many red ones are there?