Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_

Lesson 1.2.2 Problems 1-70 to 1-74

**1-70.**Imagine that you have a bag containing 10 marbles of different colors.  You have drawn a marble, recorded its color, and replaced it fifty times, with the following results: 9 purple, 16 orange, 6 yellow, and 19 green marbles.  Make a prediction for how many marbles of each color are in the bag.  Show all of your work or explain your reasoning.

**1-71.**A fair number cube with the numbers 1, 2, 3, 4, 5, and 6 is rolled.

a. What is the probability of getting an even number?

b. What is the probability of getting a factor of 6?

**1-72.** Ramon is saving $7.75 per week to buy a new cell phone.  The phone he wants costs $125.00.  For how many weeks will he need to save his money?  First, estimate your answer.  Then figure out the actual number of weeks.

****1-73.** If 18 inches is equal to 1 feet, how many feet is a 36-inch board?  A 72-inch board?  A 144-inch board?

**1-74.**Read this lesson’s Math Notes box about scaling axes.  Then write the missing numbers on each of the incomplete axes.

 a. b. c. d.