Unit 5-Review Test Questions – **Making predictions!** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| Math | 30 |
| Language Arts | 18 |
| Social Studies | 14 |
| Science | 18 |

 Students Favorite Subject

1. The results of a random survey about 7th grade students’ favorite subject are shown above. If 200 students were asked, how many would you expect to say math is their favorite subject?

2. Students were surveyed to determine if they would prefer to have a dance or a movie. Of the 36 people surveyed, 10 said they would prefer a movie. If the school has 900 students, how many would you expect to prefer the movie?

3. A field was divided into 80 equal squares. Scientists wanted to count the number of daisies in the field. The daisies in 6 random squares were counted and the results are shown below:

 14, 12, 9, 7, 9, 3

Based on this data, what is a reasonable prediction of the total number of daisies in the field?

4. Caroline took a random survey of customers at TCBY to find out their favorite ice cream flavor and recorded it in the table below.

|  |  |
| --- | --- |
| Flavors | Customers |
| Chocolate | 9 |
| Vanilla | 16 |
| Butter Pecan | 13 |
| Strawberry | 2 |

Caroline expects to sell 125 ice cream scoops on Saturday. Based on the information above, help Caroline make predictions for the flavors of scoops she will sell.

1. How many chocolate ice cream scoops does she expect to sell?
2. How many vanilla scoops do they expect to sell?
3. How many butter pecan scoops are predicted to be sold?
4. How many people are expected to order strawberry ice creams on Saturday?
5. Which two flavors when combined represent a little over half of the ice cream scoops that are predicted to be sold that day?

5.. Hightower Trail Middle School has 950 students. Mrs. Garrett took a random sample of 40 students and finds that 18 of them own pets. How many students at the school are likely to have pets?