

Name: \_\_\_\_\_

**Unit 14 Review Sheet**  
**Test on May 23**

**Topics:**

- Probability
- Line Graphs
- Stem and Leaf plots
- Interpreting Data
- Mean, Median, Mode, and Range

**Practice Questions**

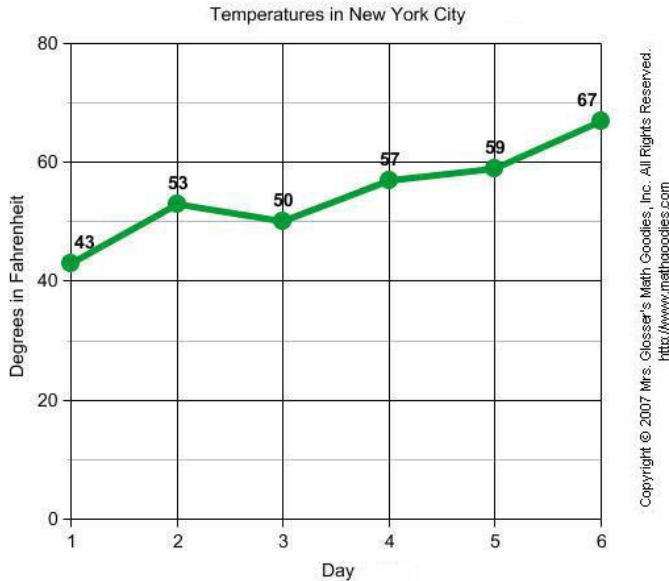
- 1) A bookshelf contains an atlas, *A*, a mystery book, *M*, and a cookbook, *C*. What are the 4 possible ways of arranging the three books so that the atlas is next to the cookbook? \_\_\_\_\_
- 2) A spinner has 3 equal sections labeled *X*, *Y*, and *Z*. Joshua spins the spinner twice. Represent all nine of the possible outcomes for Joshua.  
  
\_\_\_\_\_
- 3) Reginald has a blue hat and a tan hat on a shelf. He also has a green coat, black coat, and a red coat. Draw a tree diagram to represent all the possible hat and coat combinations Reginald can choose from.
- 4) Mr. Sanchez gave a 10-question true or false quiz. He told the class that 6 questions on the quiz were true. What is the likelihood (in a fraction) that the last question on the quiz would be false? \_\_\_\_\_
- 5) A store manager receives a batch of 48 electric shavers, of which 3 are damaged. If the order in which the shavers are unpacked is random, what is the probability that the first unpacked shaver is NOT damaged? Simplify your answer.  
  
\_\_\_\_\_
- 6) A bag contains 34 pennies, 29 nickels, 19 quarters, and 17 dimes. What is the probability of randomly selecting one quarter? \_\_\_\_\_
- 7) What is the mean of the following number set? 5, 1, 6, 4, 1, 5, 2, 1, 2 \_\_\_\_\_
- 8) What is the range of the numbers? 26, 37, 15, 21, 3, 42, 53 \_\_\_\_\_

9) Rhonda recorded the number of hours she spent painting each week for 7 weeks. What is the mode of the numbers Rhonda recorded?

4, 8, 5, 8, 4, 4, 9                      mode: \_\_\_\_\_

10) What is the median of the set of numbers? 7, 1, 8, 4, 2, 6, 5 median: \_\_\_\_\_

**Use the line graph to answer questions 11- 14**



11) What day had the warmest temperature? \_\_\_\_\_

12) What was the range in temperature? \_\_\_\_\_

13) What was the difference in temperature from day 1 to day 5? \_\_\_\_\_

14) What was the about mean temperature for all 6 days? \_\_\_\_\_

**Create a Stem and Leaf plot using the following data then answer questions 15-17 about the data** Reading quiz scores: 88, 90, 92, 61, 100, 81, 88, 63, 75, 77

15) What was the mode score for the reading quiz? \_\_\_\_\_

16) What is the range in scores for the reading quiz? \_\_\_\_\_

17) What was the median score for the reading quiz? \_\_\_\_\_