Name: $\qquad$
You have been working hard all year! Time to investigate! Show your work for each question and circle your answer. This is due by Friday, May 13th (10 points)

| 1. Probability( Refer to ch $\mathbf{1 3 . 1}$ for help) <br> What is the probability of randomly picking a black marble? Write the probability in a fraction, decimal and percent. | 2. The Counting Principle (Refer to Ch 13.3 for help) <br> You have 35 snickers and 12 Twix bars. How many outcomes are possible if you randomly choose 1 snicker and 1 Twix bar? |
| :---: | :---: |
| 3. Histograms. (Refer to ch 3.5 for help) Complete the histogram. <br> Jane recorded the age of the children she babysat. Record this on the below chart. | 4. Stem and leaf plots. (refer to ch 3.3 for help) <br> Make a stem and leaf plot for the given data.$26,37,48,33,49,26,19,26,48$Stem Leaf <br>   <br>   <br> Key: 3\|7 = $\qquad$ |



