**Class Notes**:

We can use data that is grouped in **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  to create histograms. Histograms are exactly like bar graphs, only the bars show values that are grouped into intervals instead of one single value.



**Fill in each blank as indicated.**

**1.)** This histogram represents the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2.)** The number of books read (range) represented by this histogram starts at \_\_\_\_\_\_\_\_\_

and ends at \_\_\_\_\_\_\_\_\_.

**Guided Practice**:

**Decide whether each statement is true or false.**

T F **3.)** Most students read 17 books.

T F **4.)** 7 students read between 12 and 15 books.

**5.)** Did more students read between 4 and 7 books or between 8 and 15 books?

**6.)** How many students were surveyed about their summer reading?

**7.)** The data below shows the weights, in pounds, of 20 cats and kittens.



**Part A**  Use the data to complete the frequency table.

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**Part B**  In the space below, construct a histogram to display the data. In a histogram,

the bars are placed without space between the bars to show that one group

continues into the next.



**Part C**  Use the histogram you created to answer the following question. How many

cats and kittens were between 1 and 15 lbs?

**Independent Practice**:



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**5.)**

**Part A**  In the space below, construct a histogram to display the data. In a histogram,

the bars are placed without space between the bars to show that one group

continues into the next.



**Part B**  Use the histogram you created to answer the following question. Are there more

trails between 0.1 and 2 miles in length or 2.1 and 8 miles in length?

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

**Write your own true false questions about the histogram you created.**

T F **6.)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

T F **7.)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Write your own multiple choice questions about the histogram you created.**

**8.)**

**9.)**