

Name: _____
 Period: _____
 Date: _____

Frequency Table and Histogram Homework Sheet

Part One: Complete the following statements.

- A) When creating a frequency table, the intervals must be _____.
- B) When coming up with the intervals, it is helpful to count on your _____ to make sure your intervals are equal.
- C) The height of a bar in a histogram indicates the _____ for that interval.
- D) When making a histogram for a list of data, it is helpful to first create a _____ for the data.

Part Two: Complete the frequency table for each set of data below.

- A) The years of reported eruptions of major volcanoes in Alaska from 1786 to 2000 are listed below.

1996, 1996, 1986, 1838, 1873, 1826, 1982, 1974, 1978, 1929, 1994, 1974, 1990, 1998, 1828, 1946, 1987, 1960, 1912, 1997, 1997, 1786, 1964, 1990, 1812, 1993, 2000, 1992, 1914, 1953, 1974, 1995, 1992, 1937

Interval	Tally	Frequency
1751-1800		
1801-1850		
1851-1900		
1901-1950		
1951-2000		

- B) Total points scored in football games:

78, 26, 69, 37, 37, 73, 58, 37, 69, 48, 82, 27, 36, 37, 37, 73, 37, 54, 38, 28, 29

What is the size of the interval used below? _____ Continue with that interval.

Interval	Tally	Frequency
26-40		

C) The number of years served by the first 20 U.S. Supreme Court Justices are listed below.

Complete the frequency table using intervals of five starting with one.

5, 1, 20, 8, 6, 9, 1, 13, 15, 4, 31, 4, 34, 30, 16, 18, 33, 22, 20, 2

Interval	Tally	Frequency
1-		

Part Three: Make a histogram using the frequency table below. Include all needed parts.

Height of Rides (feet)		
Interval	Tally	Frequency
36-39		4
40-43		2
44-47		8
48-51		12

