

CW# _____

Math 3 / One-Variable Data / Histograms

Name: _____

Period: A1 A2 A3 B1 B3

How many text messages do you send a day?



How many text messages do students at Harbor send in one day? Let's use the students in this classroom as a sample of all Harbor Students.

1. Record the data for the class here.

2. Use your graphing calculator to enter the data and create a histogram. Copy below.

3. What percent of students in the class sent less than 50 messages yesterday?

4. Describe the distribution.

5. Try changing the interval width to a different number. Copy below.

6. How did the shape of the distribution change?

Displaying Quantitative Data: Histograms

Important Ideas:

Check for Understanding:

How old are U.S. Presidents?

The table gives the ages of U.S. presidents when they took office.

1. Make a frequency histogram of the data using intervals of width 4 starting at age 40.

	Tally	Frequency
40 to <44		
44 to <48		
48 to <52		
52 to <56		
56 to <60		
60 to <64		
64 to <68		
68 to <72		

President	Age	President	Age	President	Age
Washington	57	Lincoln	52	Hoover	54
J. Adams	61	A. Johnson	56	F. D. Roosevelt	51
Jefferson	57	Grant	46	Truman	60
Madison	57	Hayes	54	Eisenhower	61
Monroe	58	Garfield	49	Kennedy	43
J. Q. Adams	57	Arthur	51	L. B. Johnson	55
Jackson	61	Cleveland	47	Nixon	56
Van Buren	54	B. Harrison	55	Ford	61
W. H. Harrison	68	Cleveland	55	Carter	52
Tyler	51	McKinley	54	Reagan	69
Polk	49	T. Roosevelt	42	C. H. W. Bush	64
Taylor	64	Taft	51	Clinton	46
Fillmore	50	Wilson	56	C. W. Bush	54
Pierce	48	Harding	55		
Buchanan	65	Coolidge	51		

2. Describe the shape of the distribution.

3. What percent of presidents took office before the age of 60?