

2.1 Histogram Practice WS

Create a histogram for each set of data. For the first two problems, the frame is set up for you. In number three, you will need to determine the best ways to number and label the axes. Do not forget to include a title as well!

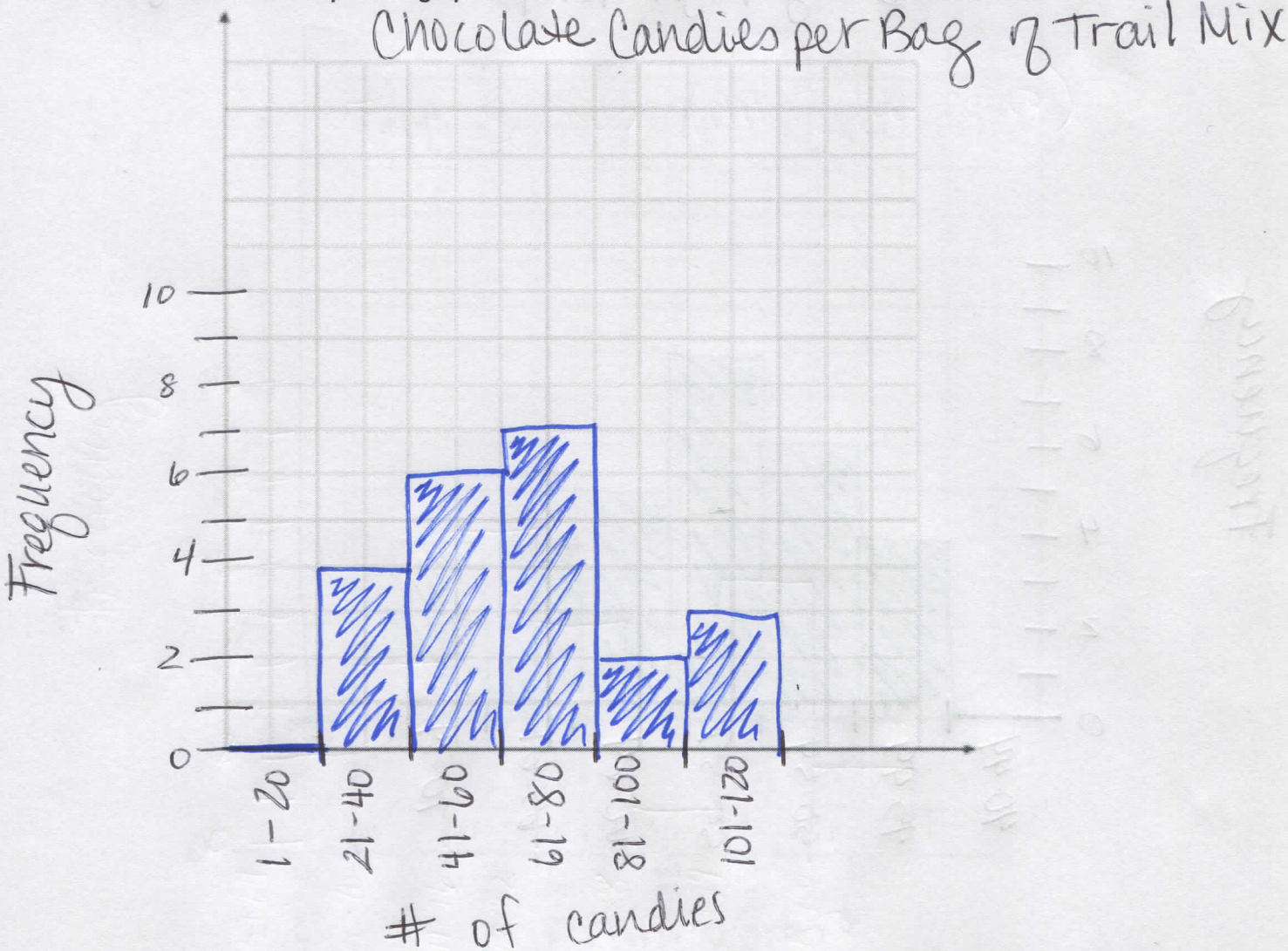
1. Chocolate candies per bag of trail mix:

50 42 119 45 68 32 67 111 61 31 75  
 39 62 64 49 55 51 33 117 96 64 82

22

Interval	Tally	Frequency (f)	Relative Frequency (%)
1 - 20	0	0	$0/22 \approx 0$
21 - 40		4	$4/22 \approx .182$
41 - 60	I	6	$6/22 \approx .273$
61 - 80	II	7	$7/22 \approx .318$
81 - 100		2	$2/22 \approx .091$
101 - 120		3	$3/22 \approx .136$

Title written on the top of the graph and then label each axes with words and numbers.



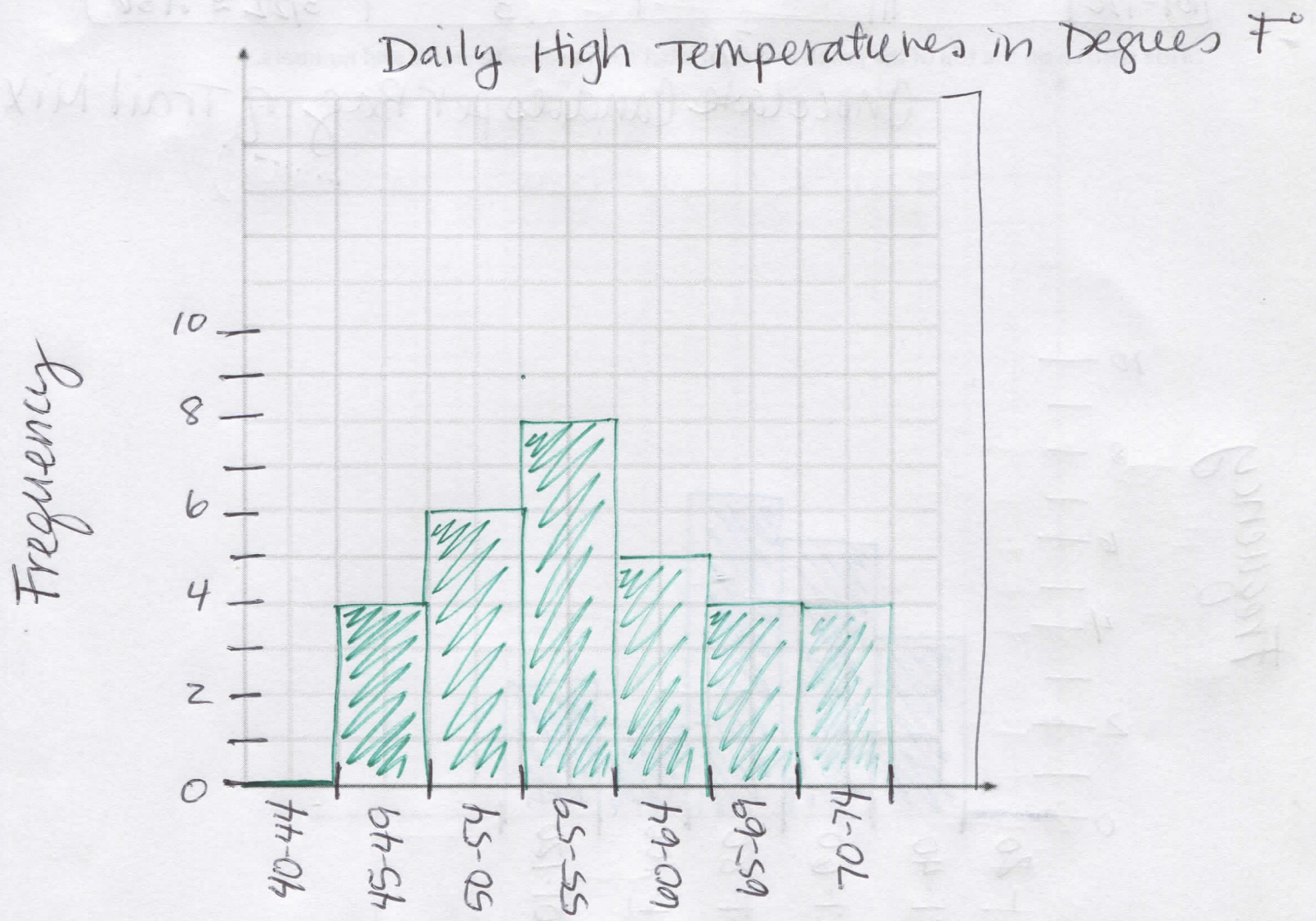
2. Daily high temperature in degrees Fahrenheit:

63 70 64 71 70 62 68 67 68 72 65  
 62 59 58 60 59 56 53 51 55 56 50  
 53 57 55 50 46 49 46 52 48

31

Interval	Tally	Frequency (f)	Relative Frequency (%)
40 - 44	0	0	0
45 - 49		4	$4/31 \approx .129$
50 - 54	I	6	$6/31 \approx .194$
55 - 59	 	8	$8/31 \approx .258$
60 - 64		5	$5/31 \approx .161$
65 - 69		4	$4/31 \approx .129$
70 - 74		4	$4/31 \approx .129$

Title written on the top of the graph and then label each axes with words and numbers.



3. Test scores, out of 100 points:

92    84    95    77    74    80    95    70    66  
 73    68    90    78    64    72    78    76    65  
 59    71    77    92    91    89    74    76    90

27

Interval	Tally	Frequency	Relative Frequency
59-64		2	$2/27 \approx .074$
65-70		4	$4/27 \approx .148$
71-76		7	$7/27 \approx .259$
77-82		5	$5/27 \approx .185$
83-88		1	$1/27 \approx .037$
89-94		6	$6/27 \approx .222$
95-100		2	$2/27 \approx .074$

Be sure to show your work on how you calculated the interval, frequency, and relative frequency to earn full credit. On the graph below be sure to include the title and all necessary labels as well!

$$\frac{95 - 59}{7} = \boxed{6}$$

Test Scores (out of 100 points)

