

collecting, organizing,
graphing, and analyzing
one variable data

Oct 12/16

~~45~~ 71 87 ~~40~~ 65 68 71

84 82 79 78 75 71 82

62 ~~50~~ 91 77 82 95

40 45 50 62 65 68 71 71 71
75 77 78 79 80 82 82 82 84 87 91 95

Frequency Table

<u>Interval</u>	<u>Frequency</u>	
0-10	0	
11-20	0	71-80
21-30	0	81-90
31-40	1	91-100
41-50	11	
51-60	0	
61-70	111	

Graph

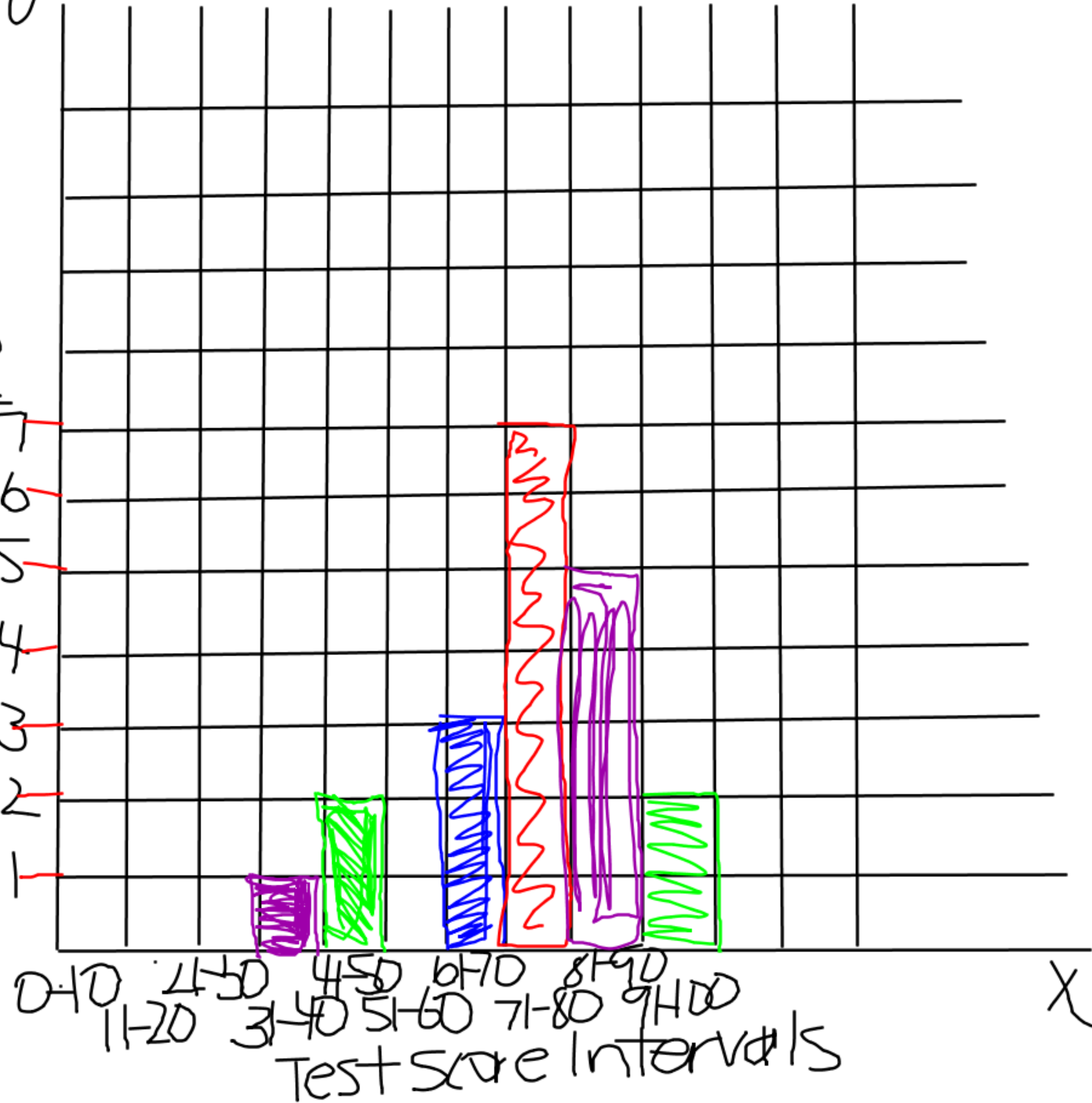
Components of a graph

- Title $\rightarrow$ related to the data
- X, y axis  — labelled w
X/y AND
what the data is
- Use a ruler
- Use a legend if necessary
- NEAT and LEGIBLE



Grade 11 Math Test Marks

Frequency



Analyzing

Mean: the average

add all #s
then $\div$ by the
number of values

$$\text{Total Sum} \div 20 \\ = \underline{72.75}$$

Median: the middle value
medium you can only have one median

$$\frac{75 + 71}{2} = 76$$

Mode: the most common value
you can have more than one mode

71 and 82