

Instructions: Show all work. Answer questions as completely as possible.

1. Use the data below to create a frequency distribution using at least 5 but no more than 10 classes. Give a table of the frequencies in each class, and draw the distribution. You can use your calculator to create both and then transfer the information to the paper. Be sure to state your window dimensions since it includes class width and class boundary information.

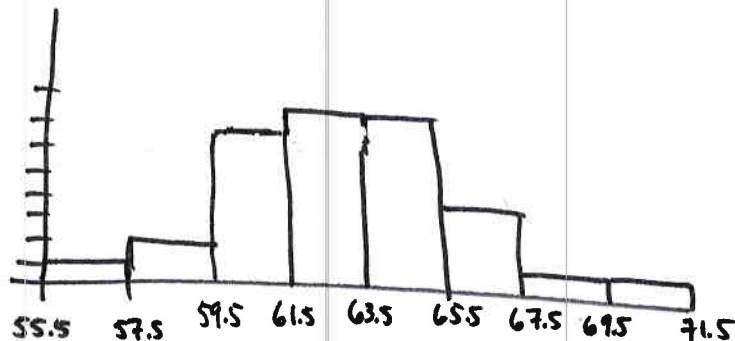
Height of women in inches:

57, 61, 61, 62, 59, 66, 64, 65, 62, 69, 60, 60, 62, 61, 63, 65,
59, 64, 60, 65, 70, 65, 61, 66, 62, 66, 63, 67, 62, 64, 63, 64

$n = 32$

class	freq.
56-57	1
58-59	2
60-61	7
62-63	8
64-65	8
66-67	4
68-69	1
70-71	1

width = 2



Window

Xmin 55.5

Xmax 71.5

Xscl 2

Ymin -1

Ymax 15

Yscl = 1

2. Describe two ways in which a Pareto chart differs from a frequency histogram.

Classes are categorical data

different data sets may be plotted in same graph

3. Give three types of errors that can make for bad or misleading graphs.

not starting at zero.

using 3D shapes

too few or too many classes