

Data collection, averages and range

1) The heights, in centimetres, of children in a class have been measured. They are:

167	164	143	180	170	169	164	185	153	159
174	160	160	158	187	154	159	173	164	143
166	180	183	154	158	178	175	162	165	180

a) Find the

- i. Minimum
- ii. Maximum
- iii. Range
- iv. Mean
- v. Median
- vi. Mode

b) Complete the following grouped frequency table for these data. Don't forget to include a total and to check the total is correct

Height, h / cm	Tally	Frequency
$140 \leq h < 150$		
$150 \leq h < 160$		

- c) What is the class interval width?
- d) Which is the modal class?
- e) Draw a histogram based on this frequency table.