

Lesson 2

GCSE Mathematics : Year 10
Statistics I : Visualising Data

2.1 Histogram

To understand histograms, remember two key facts;

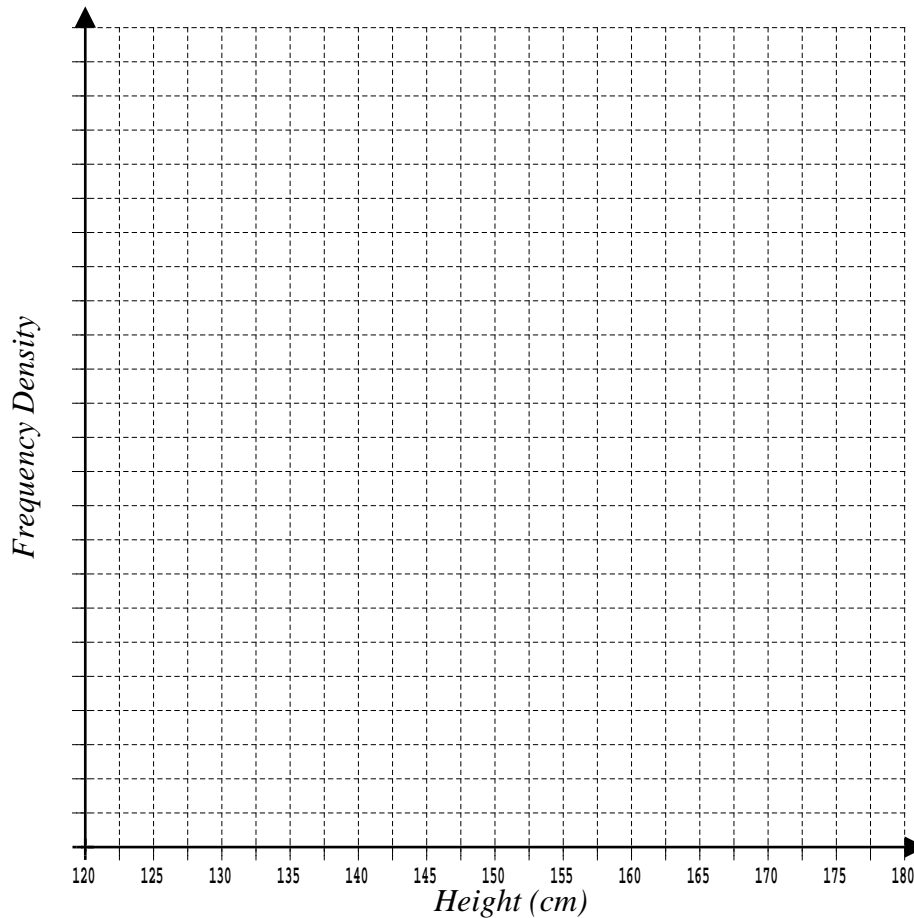
- The formula for the area of a rectangle: $A_{RECTANGLE} = Width \times Height$
- Area on a histogram represents frequency.

2.2 Example #1

The table shows information about the heights of pupils in a school's year 10.

Height, cm	Frequency
$120 \leq h < 125$	20
$125 \leq h < 130$	60
$130 \leq h < 140$	90
$140 \leq h < 150$	120
$150 \leq h < 175$	50

Use the information to construct a histogram of the graph paper provided below.



[3 marks]