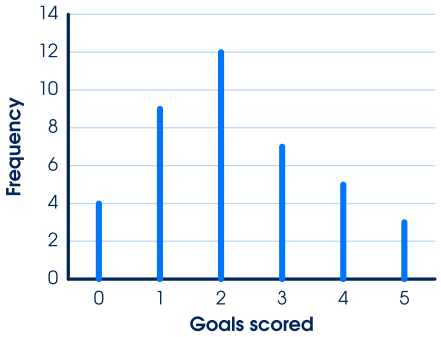
GCSE FOUNDATION · REVISION MAT 1

Vertical line charts

1 The vertical line chart shows the number of goals scored.



(a) Write down the mode.

(b) How many results are shown altogether?

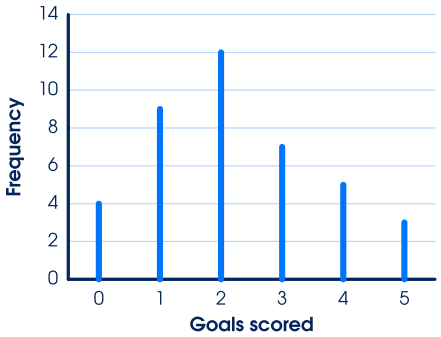
2 The table shows some data.

Value	0	1	2	3	4	5
Frequency	3	6	10	9	8	4

Draw a vertical line chart for the data.

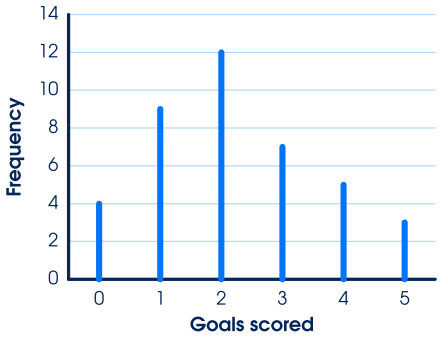
3 Explain why a vertical line chart is suitable for discrete data, such as the number of goals scored.

4 The vertical line chart shows the number of goals scored.



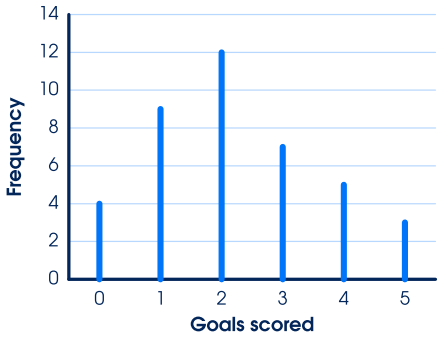
Show that the median is 2.

5 The vertical line chart shows the number of goals scored.



Work out the mean.

6 Class A's results are shown in the chart. Class B has a mean of 2.62.

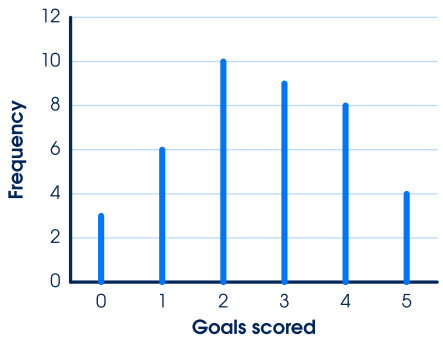


Which class has the higher mean? Show your working.

1 (a) **2**

(b) 4 + 9 + 12 + 7 + 5 + 3 = **40**

2



3 Discrete data can only take certain values (like 0, 1, 2).

A line at each value shows there are no values in between.

ANSWERS · REVISION MAT 1

Vertical line charts

4 40 values, so the median is the 20.5th value.

Counting up the frequencies, it is **2** ✓

5 0×4 + 1×9 + 2×12 + 3×7 + 4×5 + 5×3 = 89

89 ÷ 40 = **2.23**

6 Class A mean = 2.23

Class B has the higher mean.