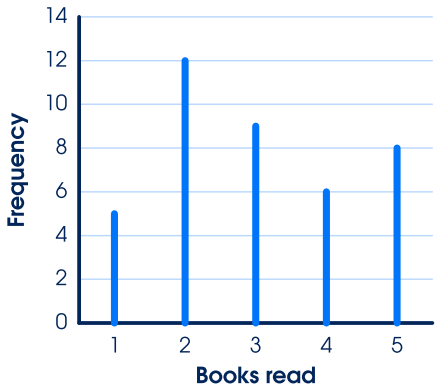
GCSE FOUNDATION · REVISION MAT 5

Vertical line charts

1 The vertical line chart shows the number of books read.



(a) Write down the mode.

(b) How many results are shown altogether?

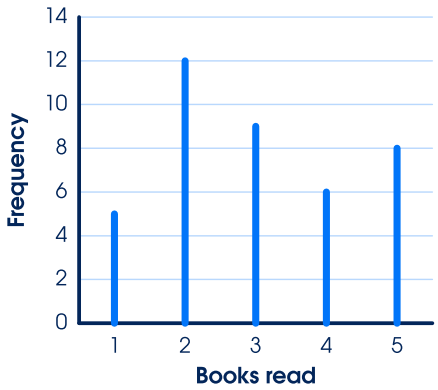
2 The table shows some data.

Value	1	2	3	4	5
Frequency	4	6	10	9	11

Draw a vertical line chart for the data.

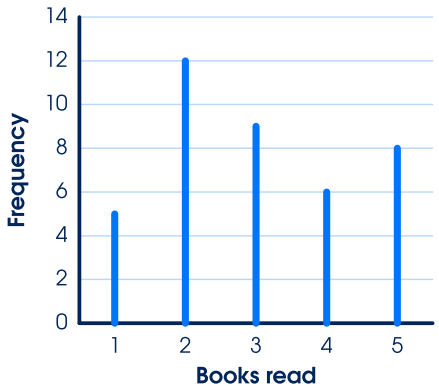
3 Explain why a vertical line chart is suitable for discrete data, such as the number of goals scored.

4 The vertical line chart shows the number of books read.



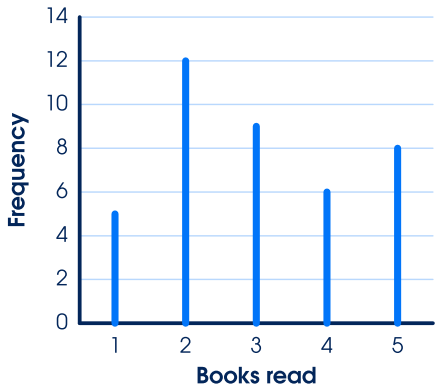
Show that the median is 3.

5 The vertical line chart shows the number of books read.



Work out the mean.

6 Class A's results are shown in the chart. Class B has a mean of 3.42.

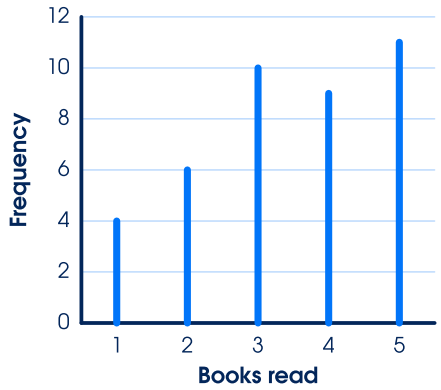


Which class has the higher mean? Show your working.

1 (a) **2**

(b) 5 + 12 + 9 + 6 + 8 = **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 5

Vertical line charts

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

Counting up the frequencies, it is **3** ✓

5 1×5 + 2×12 + 3×9 + 4×6 + 5×8 = 120

120 ÷ 40 = **3**

6 Class A mean = 3

Class B has the higher mean.