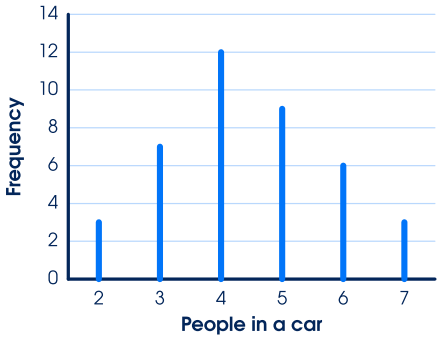
GCSE FOUNDATION · REVISION MAT 4

Vertical line charts

1 The vertical line chart shows the number of people in a car.



(a) Write down the mode.

(b) How many results are shown altogether?

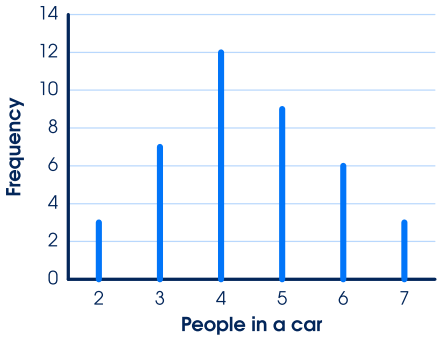
2 The table shows some data.

Value	2	3	4	5	6	7
Frequency	5	9	10	6	4	2

Draw a vertical line chart for the data.

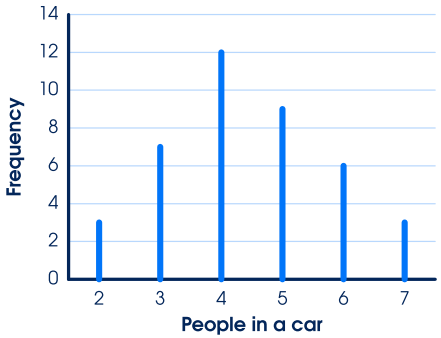
3 Explain why a vertical line chart is suitable for discrete data, such as the number of goals scored.

4 The vertical line chart shows the number of people in a car.



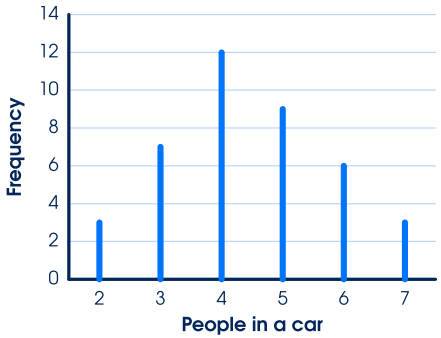
Show that the median is 4.

5 The vertical line chart shows the number of people in a car.



Work out the mean.

6 Class A's results are shown in the chart. Class B has a mean of 4.03.



Which class has the higher mean? Show your working.

Mr&Mrs MATHS

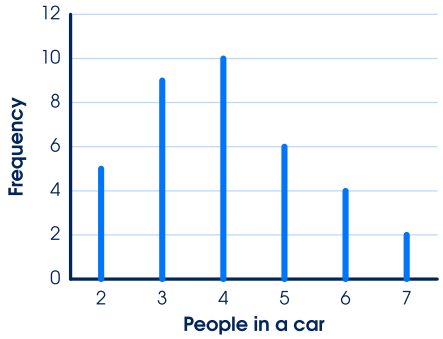
ANSWERS · REVISION MAT 4

Vertical line charts

1 (a) **4**

(b) 3 + 7 + 12 + 9 + 6 + 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.

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

Counting up the frequencies, it is **4** ✓

5 2×3 + 3×7 + 4×12 + 5×9 + 6×6 + 7×3 = 177

177 ÷ 40 = **4.42**

6 Class A mean = 4.42

Class A has the higher mean.