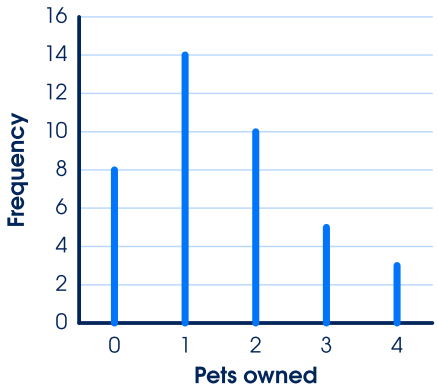
GCSE FOUNDATION · REVISION MAT 3

Vertical line charts

1 The vertical line chart shows the number of pets owned.



(a) Write down the mode.

(b) How many results are shown altogether?

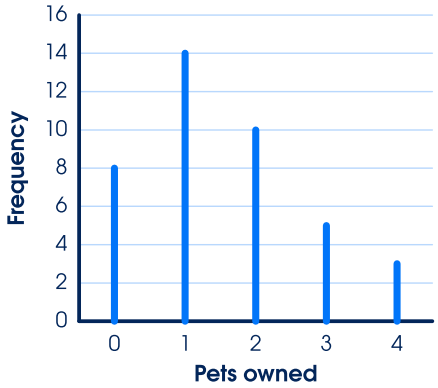
2 The table shows some data.

Value	0	1	2	3	4
Frequency	12	10	9	6	3

Draw a vertical line chart for the data.

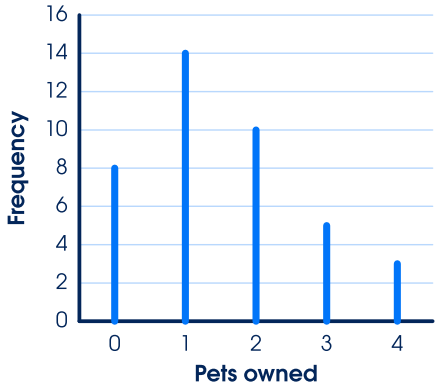
3 Explain why a vertical line chart is suitable for discrete data, such as the number of goals scored.

4 The vertical line chart shows the number of pets owned.



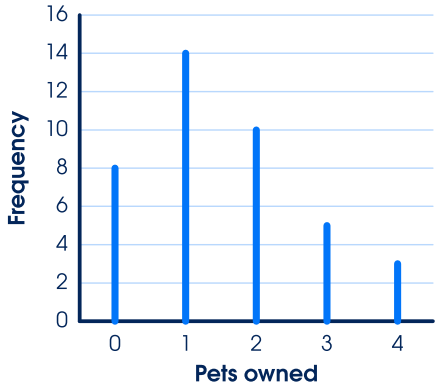
Show that the median is 1.

5 The vertical line chart shows the number of pets owned.



Work out the mean.

6 Class A's results are shown in the chart. Class B has a mean of 1.45.

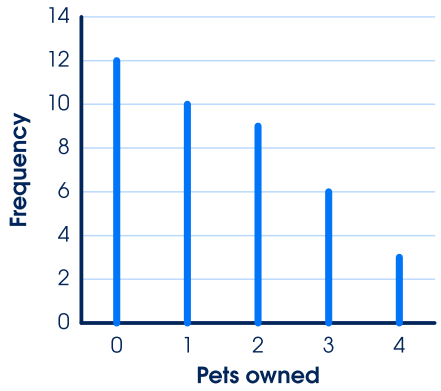


Which class has the higher mean? Show your working.

1 (a) **1**

(b) 8 + 14 + 10 + 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 3

Vertical line charts

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

Counting up the frequencies, it is **1** ✓

5 0×8 + 1×14 + 2×10 + 3×5 + 4×3 = 61

61 ÷ 40 = **1.52**

6 Class A mean = 1.52

Class A has the higher mean.