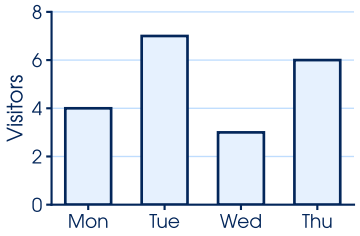
GCSE HIGHER · REVISION MAT 1

Charts and frequency polygons

1 How many visitors came on Tuesday?



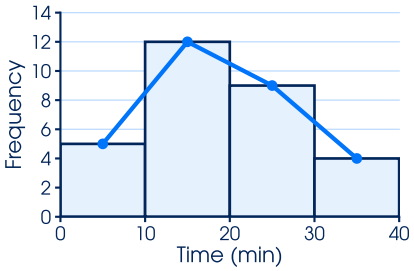
2 60 people are asked their favourite drink.

15 choose tea.

What angle represents tea in a pie chart?

3 Explain why a pie chart shows proportions but not actual amounts.

4 Write down the modal class and the total frequency.

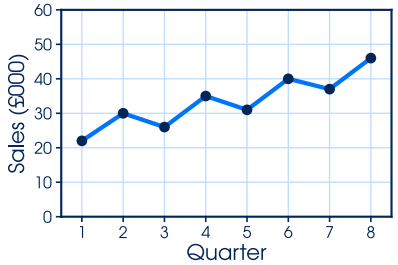


5 Show that the median is 34.

2	3 5 8
3	1 4 4 7
4	0 2

Key: 2 | 3 = 23

6 Describe the trend in sales.



7 Explain why points on a frequency polygon are plotted at the class midpoints.

8 72 students are shown in a pie chart.

Football has an angle of 110°.

How many students chose football?

ANSWERS · REVISION MAT 1

Charts and frequency polygons

1 7

2 $\frac{15}{60} \times 360$

90°

3 The angles show fractions of the total; without the total you cannot find the numbers.

4 Modal class 10–20

Total 30

5 9 values: the 5th is 34

34

6 Sales are increasing overall, with a dip every other quarter.

7 The midpoint represents all the values in the class.

8 $\frac{110}{360} \times 72$

22