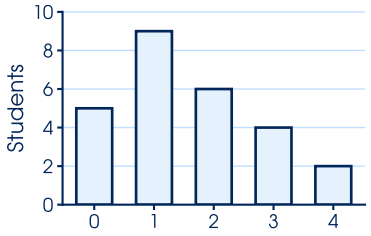
GCSE HIGHER · REVISION MAT 3

Charts and frequency polygons

1 What is the total number of books read?



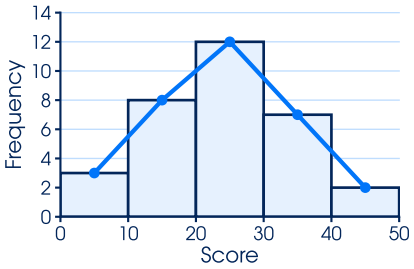
2 A pie chart shows 120 people.

The angle for 'car' is 135°.

How many travel by car?

3 Explain what a dual bar chart lets you compare.

4 Estimate the number of values greater than 30.

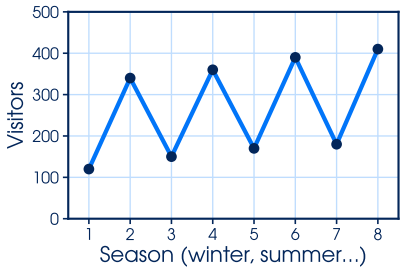


5 Show that the mode is 47.

3	5 8 9
4	2 7 7 7 9
5	0 3

Key: 3 | 5 = 35

6 Describe the pattern in visitors.



7 Explain why a frequency polygon is not closed at the ends.

8 A pie chart has angles 80°, 120°, x and $2x$.

Find x.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 3

Charts and frequency polygons

1 Books: 0 + 9 + 12 + 12 + 8

41

2 $\frac{135}{360} \times 120$

45

3 **Two sets of data side by side for each category.**

4 **7 + 2 = 9**

5 **47 appears three times**

6 **Seasonal pattern: high in summer, low in winter, rising slowly overall.**

7 **It joins only the midpoints of the classes with data.**

8 $3x + 200 = 360$

$x = 53.3°$

Mr&Mrs MATHS