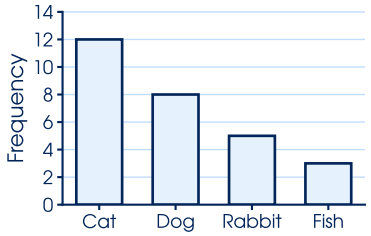
GCSE HIGHER · REVISION MAT 2

Charts and frequency polygons

1 How many more cats than rabbits are there?

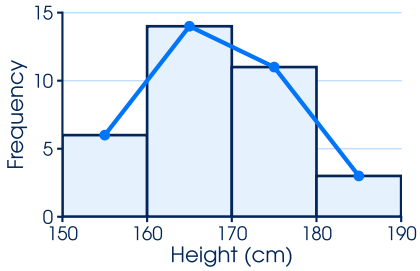


2 In a pie chart of 90 people, 30 chose blue.

Find the angle for blue.

3 Explain why a bar chart is better than a pie chart for comparing exact numbers.

4 Write down the modal class.

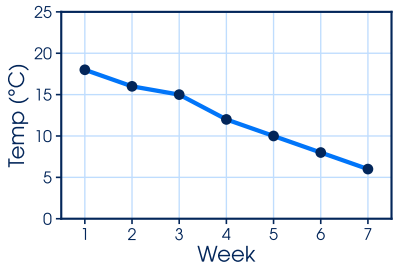


5 Show that the range is 29.

1	2 6 9
2	0 4 4 7
3	3 5 8 8
4	1

Key: 1 | 2 = 12

6 Describe the trend in temperatures.



7 Explain why a frequency polygon is useful for comparing two distributions.

8 In a pie chart, 48 students chose Science.

The angle for Science is 96°.

How many students are there in total?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Charts and frequency polygons

1 $12 - 5 = 7$

2 $\frac{30}{90} \times 360$

120°

3 Bar heights can be read from the scale; pie angles show only proportions.

4 160–170 cm

5 $41 - 12 = 29$

6 The temperature falls steadily each week.

7 Two polygons can be drawn on the same axes and compared easily.

8 $\frac{96}{360}$ of total = 48

180

Mr&Mrs MATHS