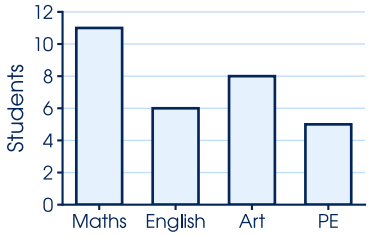
GCSE HIGHER · REVISION MAT 5

Charts and frequency polygons

1 How many students chose Maths or Art?



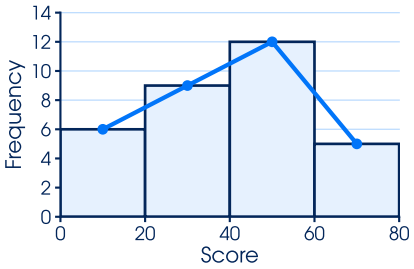
2 A pie chart shows 200 people.

50 chose 'bus'.

Find the angle for bus.

3 Explain why a stem-and-leaf diagram keeps the original data.

4 Write down the class containing the median.

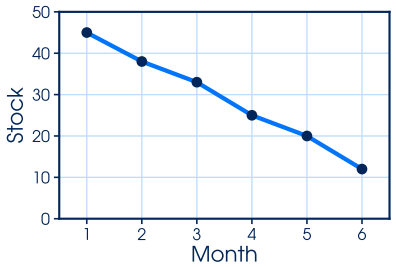


5 Show that the range is 33 and the median is 28.

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

Key: 1 | 5 = 15

6 Describe the trend.



7 Explain how to choose class widths for a frequency polygon.

8 Two pie charts show the same categories for 60 boys and 90 girls.

Football is 120° for boys and 80° for girls.

Who has more football fans? Show working.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 5

Charts and frequency polygons

1 **11 + 8 = 19**

2 $\frac{50}{200} \times 360$

90°

3 **Every value can be read back from the stem and leaf.**

4 32 values: 16th and 17th

40–60

5 **48 – 15 = 33**

9 values: 5th is 28

6 **Stock is falling steadily each month.**

7 **Use equal widths that cover all the data with a sensible number of classes (about 5 to 10).**

8 Boys: 20

Girls: 20

The same number (20)