

1 Drawing pie charts

45 people chose their favourite type of film.

a) Work out the angle for each type of film.

b) Draw the pie chart.

Film	Frequency	Angle
Comedy	14	112°
Action	11	88°
Horror	7	56°
Drama	13	104°
Total	45	360°



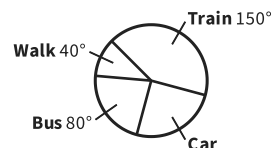
a) $360 \div 45 = 8^\circ$ for each person

2 Reading pie charts

The pie chart shows how 72 people travelled to a concert.

a) How many people came by train?

b) What fraction came by car? Simplify it.



a) $150 \div 360 \times 72 = 30$ b) $90^\circ: \frac{1}{4}$

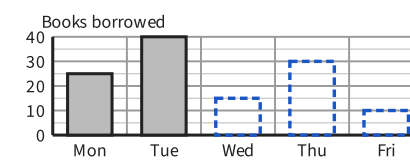
3 Bar charts: drawing

The table shows the books borrowed from a library.

a) Draw the bars for Wednesday to Friday.

b) Which day had twice as many as Wednesday?

Day	Books
Mon	25
Tue	40
Wed	15
Thu	30
Fri	10



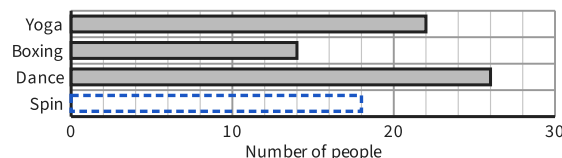
b) $2 \times 15 = 30$: Thursday

4 Bar charts: reading

80 people chose a new class at a sports centre.

a) How many more chose dance than boxing?

b) Draw the missing bar for spin.



a) $26 - 14 = 12$

b) $80 - 62 = 18$

Processing, representing and interpreting data

revision mat answers

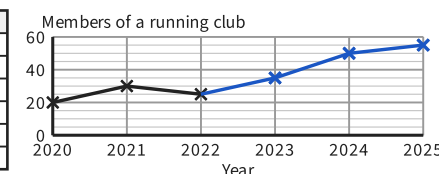
Foundation A

5 Line graphs: drawing

a) Plot the rest of the table and join the points.

b) Between which two years did the members go up the most?

Year	Members
2020	20
2021	30
2022	25
2023	35
2024	50
2025	55

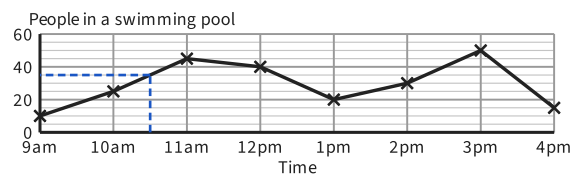


b) 2023 and 2024 (up 15)

6 Line graphs: reading

a) At what time were there the most people?

b) Estimate the number at half past 10. Why is it only an estimate?



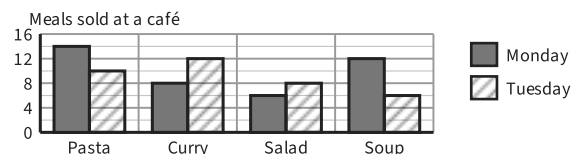
a) 3pm b) about 35

it was only counted on the hour

7 Comparative bar charts

a) How many more curries were sold on Tuesday than on Monday?

b) Which day sold more meals? Show how you know.



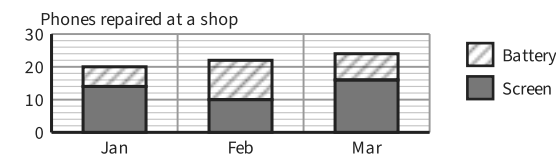
a) $12 - 8 = 4$

b) Monday: 40 and Tuesday: 36

8 Composite bar charts

a) How many batteries were repaired in February?

b) What fraction of the repairs in March were batteries? Simplify it.



a) $22 - 10 = 12$ b) $\frac{8}{24} = \frac{1}{3}$