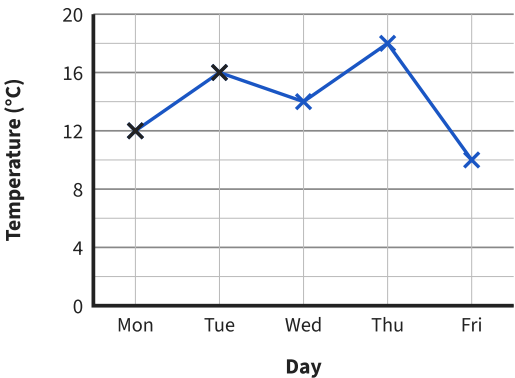


Line Graphs

1

Draw a line graph for the table.

Day	Temperature (°C)
Mon	12
Tue	16
Wed	14
Thu	18
Fri	10

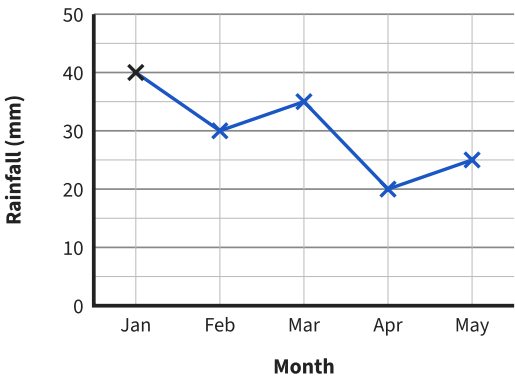


Highest Thu

2

Draw a line graph for the table.

Month	Rainfall (mm)
Jan	40
Feb	30
Mar	35
Apr	20
May	25

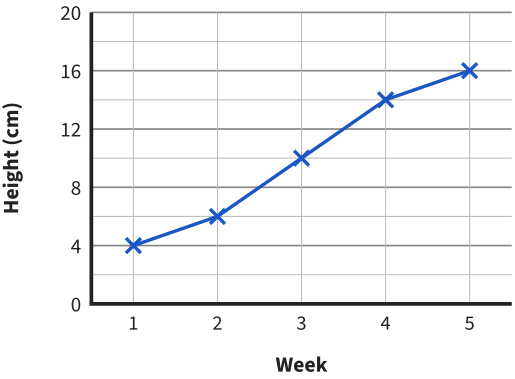


Highest Jan

3

Draw a line graph for the table.

Week	Height (cm)
1	4
2	6
3	10
4	14
5	16

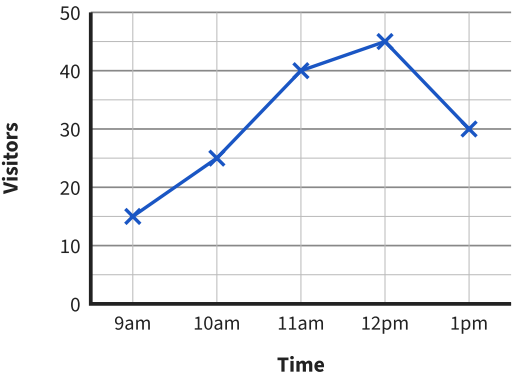


Highest 5

4

Draw a line graph for the table.

Time	Visitors
9am	15
10am	25
11am	40
12pm	45
1pm	30



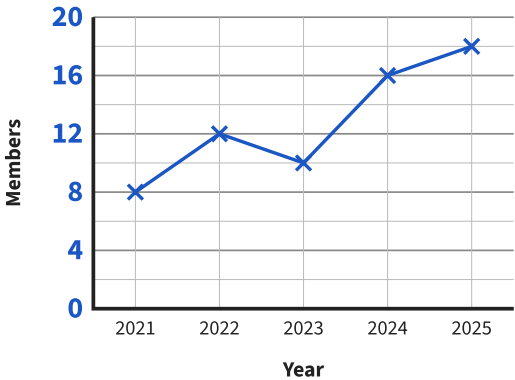
Highest 12pm

Line Graphs

5

Choose a scale. Draw a line graph for the table.

Year	Members
2021	8
2022	12
2023	10
2024	16
2025	18

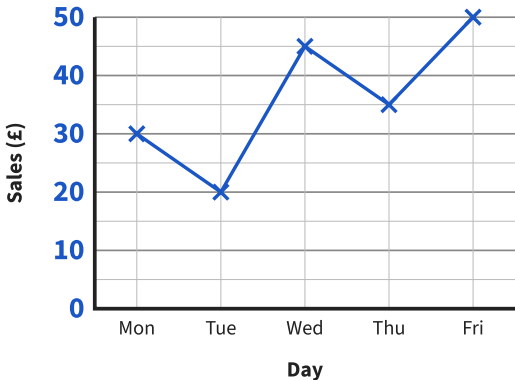


Highest 2025

6

Choose a scale. Draw a line graph for the table.

Day	Sales (£)
Mon	30
Tue	20
Wed	45
Thu	35
Fri	50

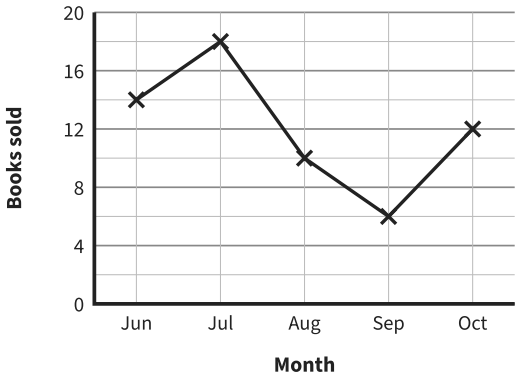


Highest Fri

7

Complete the table from the line graph.

Month	Books sold
Jun	14
Jul	18
Aug	10
Sep	6
Oct	12

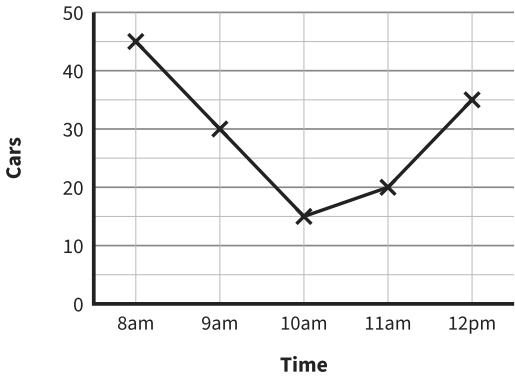


Highest – lowest 12

8

Complete the table from the line graph.

Time	Cars
8am	45
9am	30
10am	15
11am	20
12pm	35



Highest – lowest 30

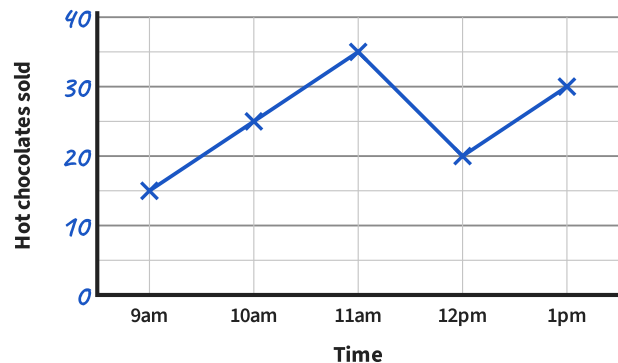
Line Graphs *further practice*

ANSWERS

9

A café counts the hot chocolates it sells each hour. Choose a scale and number the axes, then draw a line graph for the table.

Time	Hot chocolates
9am	15
10am	25
11am	35
12pm	20
1pm	30

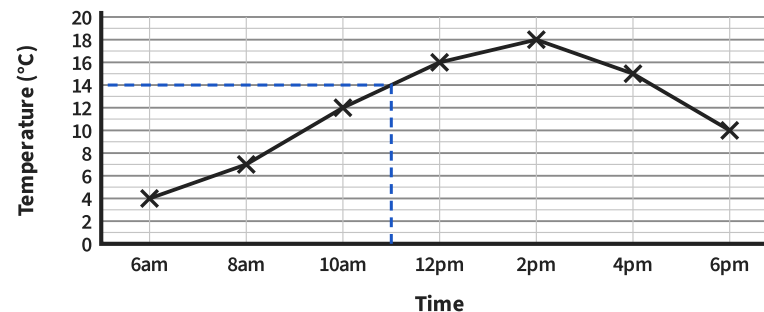


When were the most sold?

11am

10

The line graph shows the temperature in a garden one day, measured every two hours.



What was the temperature at 2pm?

18 °C

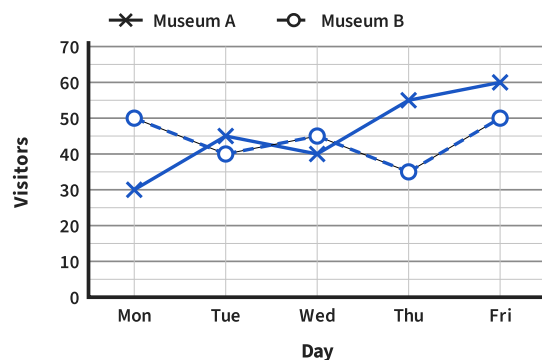
Estimate the temperature at 11am.

about 14 °C (accept 13 to 15)

11

Draw a line graph for each museum on the same axes. Use crosses and a solid line for museum A, circles and a dashed line for museum B.

Day	Museum A	Museum B
Mon	30	50
Tue	45	40
Wed	40	45
Thu	55	35
Fri	60	50

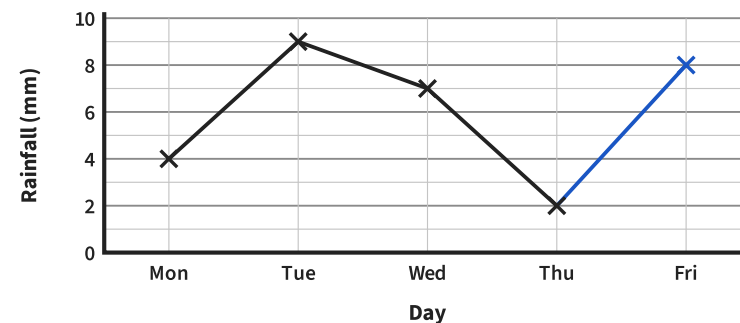


On how many days did museum A have more visitors than museum B?

3 (Tue, Thu, Fri)

12

The line graph shows the rainfall each day from Monday to Thursday. The mean rainfall for the five days, Monday to Friday, was 6 mm. Work out Friday's rainfall and complete the graph.



Friday

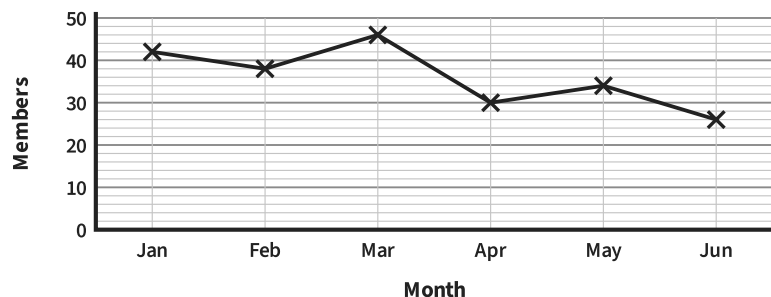
$6 \times 5 = 30$, $30 - 22 = 8$ mm

Line Graphs *further practice*

ANSWERS

13

The line graph shows the members of a climbing club each month.



Between which two months did the members fall the most? By how much?

March to April, by 16

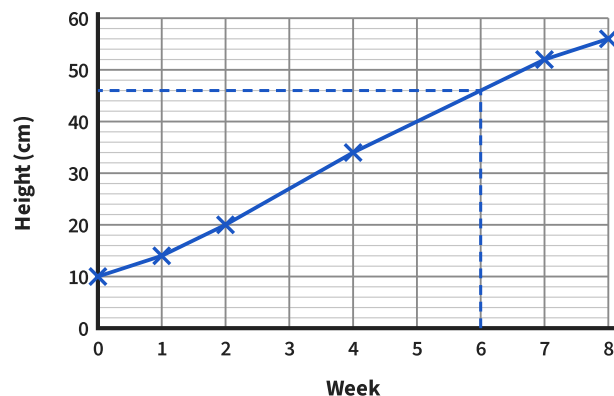
How can you see this without reading the values?

the line slopes down most steeply

15

The height of a sunflower was measured on some weeks. Draw a line graph. Take care: the weeks are not equally spaced.

Week	Height (cm)
0	10
1	14
2	20
4	34
7	52
8	56

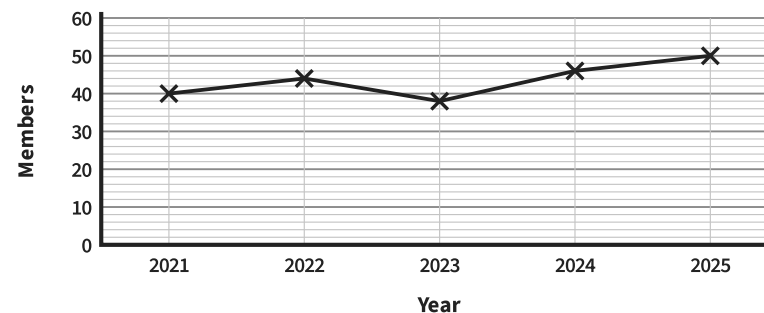


Estimate the height at week 6.

about 46 cm (accept 44 to 48)

14

The line graph shows the members of a choir each year. Work out the percentage increase in members from 2021 to 2025.



Increase

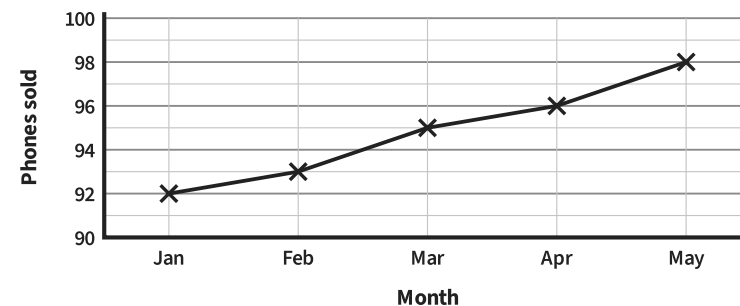
$$50 - 40 = 10$$

Percentage increase

$$10 \text{ out of } 40 = 25\%$$

16

A shop shows this graph and says its phone sales have shot up. (a) How many more phones were sold in May than in January? (b) Explain why the graph is misleading.



(a)

6

(b)

the axis starts at 90, not 0, so a small rise looks big