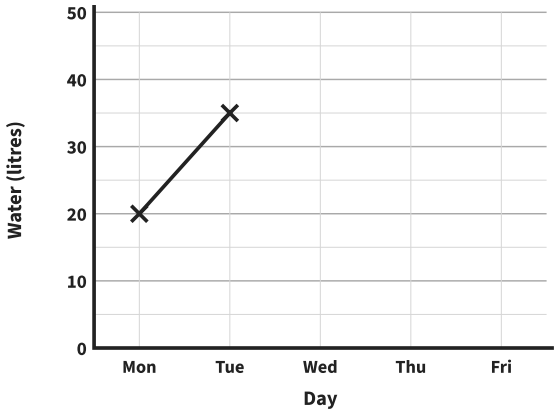
Line graphs for time series

1

The table shows the water in a rain barrel each day. Draw a line graph for the table.

Day	Water (litres)
Mon	20
Tue	35
Wed	30
Thu	45
Fri	50

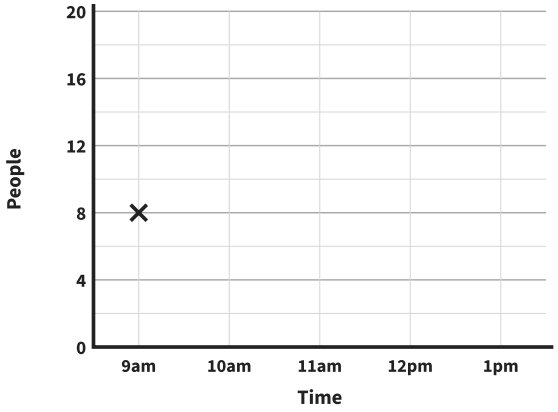


Most water _____

2

The table shows how many people were in a queue each hour. Draw a line graph for the table.

Time	People
9am	8
10am	14
11am	18
12pm	12
1pm	6

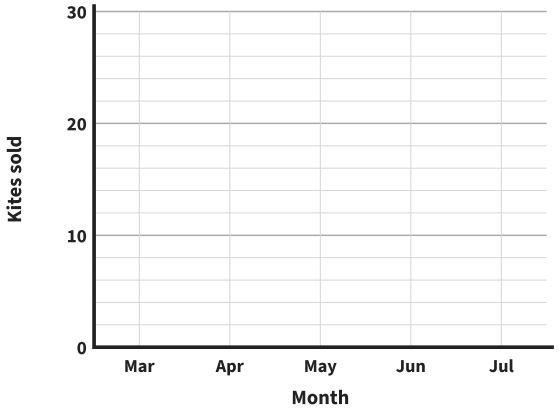


Longest queue _____

3

A shop records how many kites it sells each month. Draw a line graph, then describe the trend.

Month	Kites sold
Mar	12
Apr	20
May	28
Jun	24
Jul	16

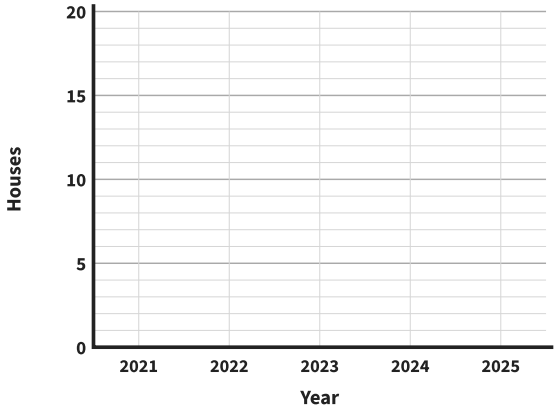


Trend _____

4

The table shows how many houses on a street had solar panels. Draw a line graph. Between which two years was the biggest rise?

Year	Houses
2021	4
2022	6
2023	11
2024	13
2025	16



Biggest rise _____

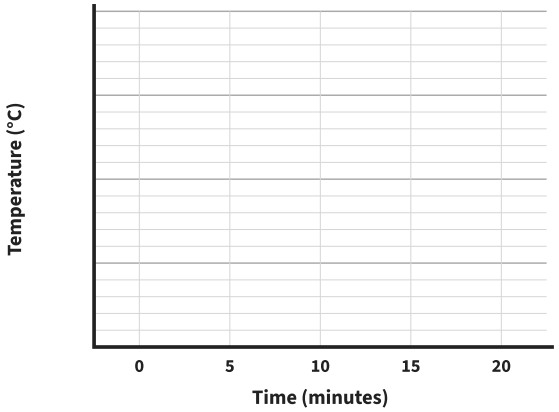
Line graphs for time series

5

A cup of tea cools down. Choose a scale and number the side, then draw a line graph and describe the trend.

Time (minutes)	Temperature (°C)
0	80
5	64
10	52
15	44
20	36

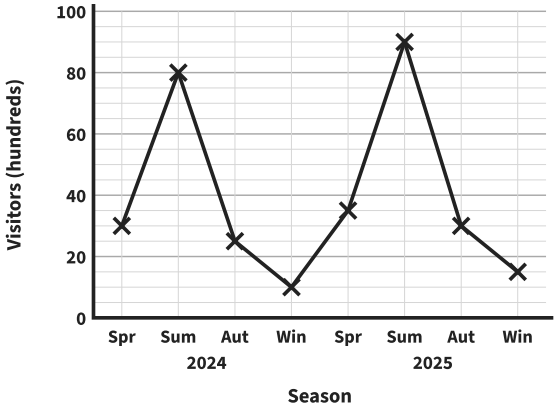
Trend _____



6

The graph shows visitors to an outdoor pool each season. How many visited in summer 2025? Describe the pattern.

Summer 2025 _____

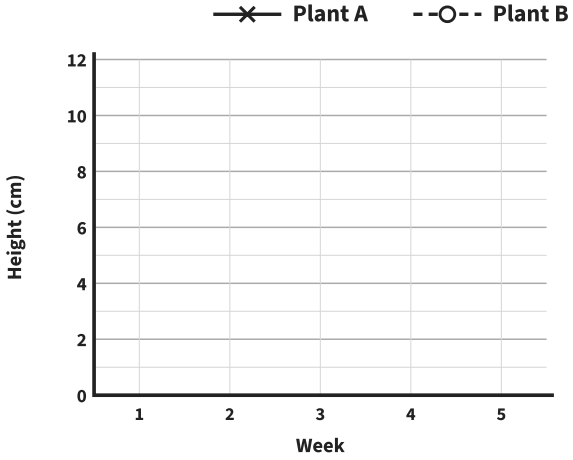


7

Two plants are measured each week. Draw both lines on the graph, using the key. In which week was plant A first taller?

Week	Plant A (cm)	Plant B (cm)
1	2	4
2	5	6
3	8	7
4	10	9
5	11	12

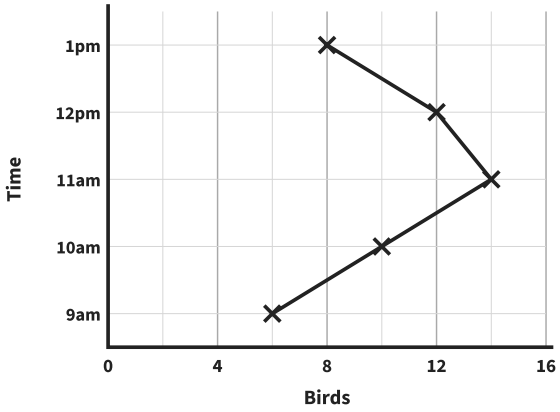
Week _____



8

What has Theo done wrong?

Theo drew a line graph of the number of birds on a feeder each hour.

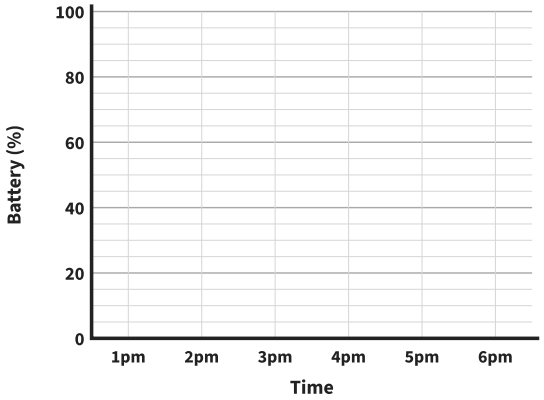


Line graphs for time series *further practice*

9

The table shows the battery left on a phone. Draw a line graph. Between which two times did the battery fall the most?

Time	Battery (%)
1pm	90
2pm	75
3pm	60
4pm	55
5pm	40
6pm	20



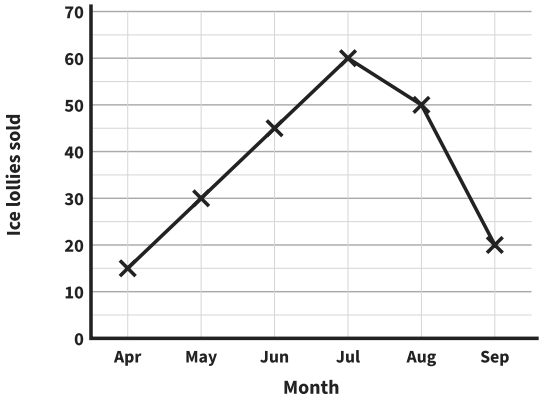
Biggest fall _____

10

The graph shows how many ice lollies a kiosk sold each month. In which month did it sell 45? How many more did it sell in July than in April?

45 sold in _____

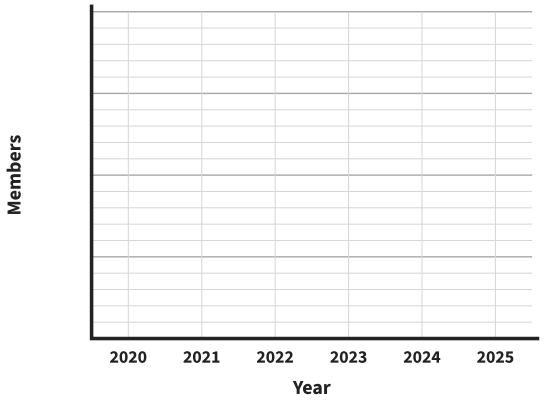
More in July _____



11

A running club counts its members each year. Choose a scale, draw a line graph and find the biggest rise.

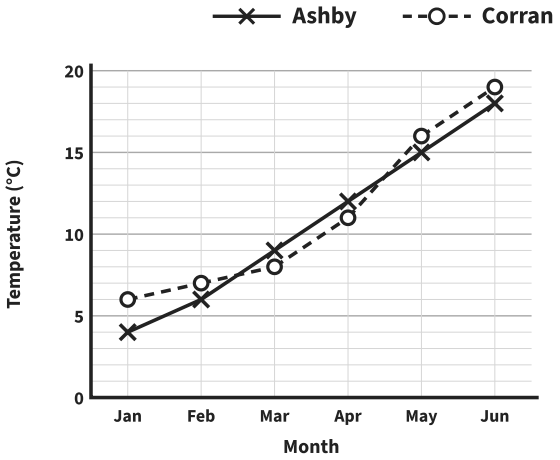
Year	Members
2020	24
2021	30
2022	42
2023	45
2024	54
2025	60



Biggest rise _____

12

The graph shows the average temperature each month in two towns.
In which months was Ashby warmer than Corran?



Months _____

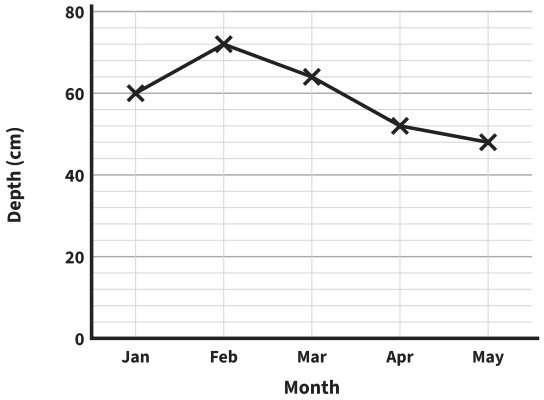
Line graphs for time series *further practice*

13

Gemma measured the depth of water in a pond each month. Complete the table from the graph. Between which two months was the biggest fall?

Month	Depth (cm)
Jan	
Feb	
Mar	
Apr	
May	

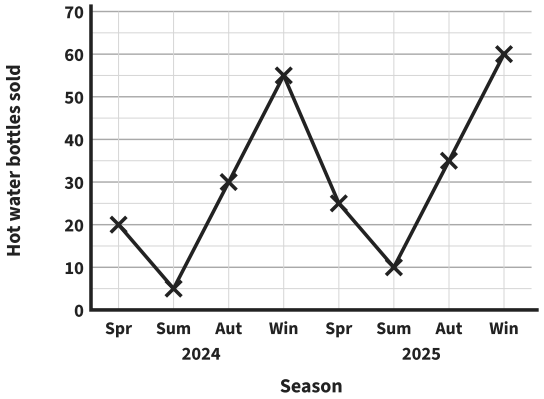
Biggest fall _____



14

The graph shows how many hot water bottles a shop sold each season. Which season sells the most? Explain why the pattern is called seasonal.

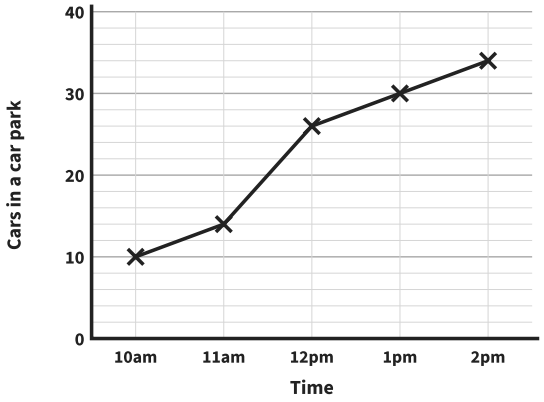
Most sold in _____



15

Ravi says the biggest rise was between 1pm and 2pm, because 2pm is the highest point. Explain why Ravi is wrong.

Biggest rise _____



16

Leo says his savings went up every week. Use the graph to explain why he is wrong.

Trend _____

