

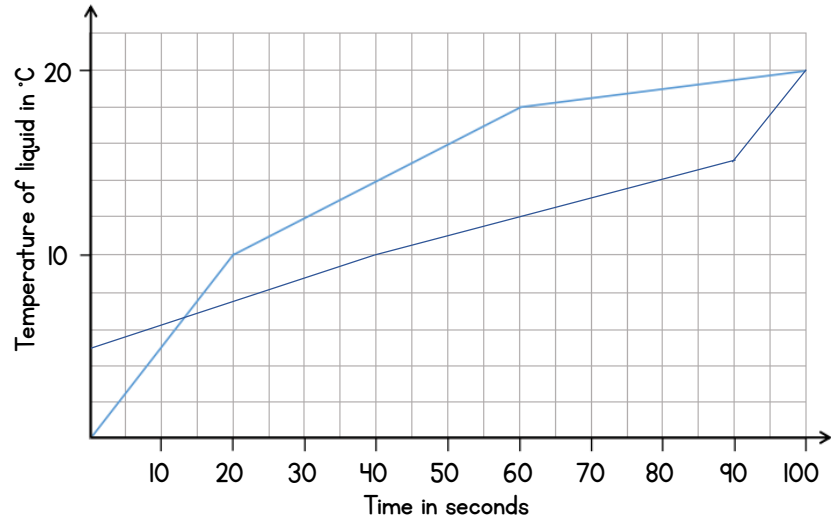
Year 5

Statistics



Answers

- 1 The graph shows the temperature of a liquid as it is heated.



How long does it take the liquid to reach 10°C?

20 seconds

What is the temperature of the liquid after it is heated for 50 seconds?

16 °C

How many degrees has the temperature increased by between 40 seconds and 80 seconds?

5 °C

Another liquid is heated for 100 seconds.

- The temperature of the liquid at the start was 5°C
- After 40 seconds the temperature is 10°C
- It takes the liquid 50 seconds to increase by another 5°C
- After 100 seconds the temperature is 20°C

Draw a line to show this information on the graph.

- 2 The table shows the distance (in km) between places in the UK.

	Bath	Dover	Ely	Leeds	Perth
Bath	-	307	260	350	690
Dover	307	-	220	270	832
Ely	260	220	-	240	640
Leeds	350	270	240	-	430
Perth	690	832	640	430	-

What is the distance between Ely and Leeds?

240 km

Which place in the table is 690 km from Bath?

Perth

On Monday Mike drives from Dover to Leeds.

On Tuesday he drives from Leeds to Perth.

How many kilometres does he drive altogether?

Award 1 mark for showing the proper distances (270 and 430) and using addition.

700 km

3 The table shows the start times for films at a cinema.

Bubble Mania	Mission Boy	Magic Island	Wand King
12:10	11:30	12:30	12:10
13:40	12:45	14:00	13:20
15:10	14:00	15:30	14:40
16:40	15:15	17:30	16:00

Which film starts in the morning?

Mission Boy

Which film starts at 5:30pm?

Magic Island

Jack arrives at the cinema at 2:20pm.

He wants to watch Wand King.

How long does he have to wait?

20 minutes

Bubble Mania lasts 100 minutes.

What time does the 15:10 film finish?

16:50 or 4:50pm

☐

1 mark

☐

1 mark

☐

1 mark

☐

2 marks

4 The table shows the information about 130 sandwiches that were sold in a shop.

	Brown bread	White bread	Total
Egg	13	26	39
Tuna	26	18	44
Cheese	22	25	47
Total	61	69	130

How many more egg sandwiches were sold on white bread than brown?

13

How many tuna sandwiches on brown bread were sold?

26

Complete the missing values in the table.

Award 1 mark for 2 correct answers.

☐

1 mark

☐

2 marks

☐

2 marks

Circle how confident you feel with statistics.

1 2 3 4 5
Not Very
confident confident