

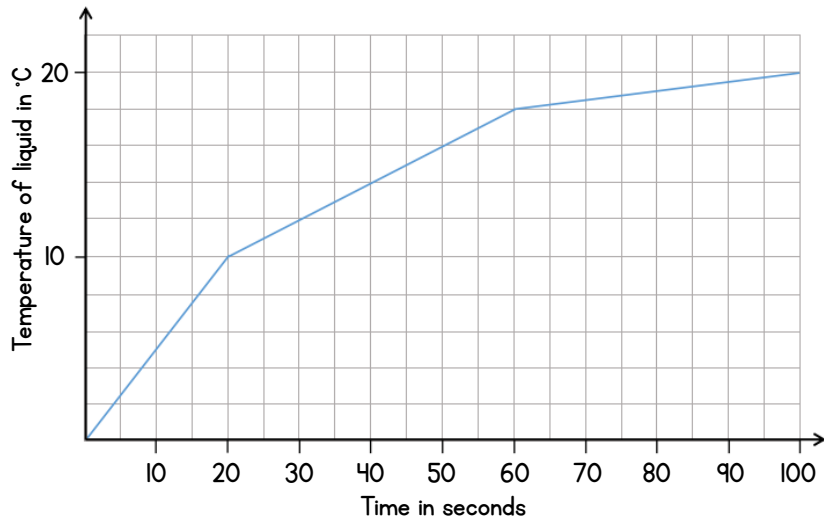
# Year 5

## Statistics



Name \_\_\_\_\_

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



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

\_\_\_\_\_ seconds

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

\_\_\_\_\_ °C

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

\_\_\_\_\_ °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.



3 marks

- 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?

\_\_\_\_\_ km

Which place in the table is 690 km from Bath?

\_\_\_\_\_

On Monday Mike drives from Dover to Leeds.

On Tuesday he drives from Leeds to Perth.

How many kilometres does he drive altogether?

\_\_\_\_\_ km



1 mark



1 mark



2 marks



1 mark



1 mark



1 mark

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?

\_\_\_\_\_

Which film starts at 5:30pm?

\_\_\_\_\_

Jack arrives at the cinema at 2:20pm.

He wants to watch Wand King.

How long does he have to wait?

\_\_\_\_\_ minutes

Bubble Mania lasts 100 minutes.

What time does the 15:10 film finish?

\_\_\_\_\_

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   |             | 18          | 44    |
| Cheese | 22          |             |       |
| Total  |             | 69          | 130   |

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

\_\_\_\_\_

How many tuna sandwiches on brown bread were sold?

\_\_\_\_\_

Complete the missing values in the table.

1 mark

2 marks

2 marks

Circle how confident you feel with statistics.

1                      2                      3                      4                      5  
Not                      Very  
confident                      confident