

1

Children were asked to estimate the number of houses a wind turbine could power on a windy day.

These are the estimates of five children.

Amir	1,310
Olivia	1,220
Emma	1,400
John	1,290
Chen	1,460

The exact number of houses is 1,380.

Whose estimate was the **closest** to the exact number?

Whose estimate was the **furthest** from the exact number?

2

Students were asked to estimate how many miles bananas had to travel from the trees in Costa Rica, to the shops in the UK.

These are the estimates of five students.

James	5970 miles
Talia	4990 miles
Esmé	5250 miles
Niamh	6010 miles
Nazir	5430 miles

Put these numbers in **order** from the shortest distance to longest

..... , , , ,

(Shortest)

(Longest)

Who estimated the **furthest** distance?

Whose estimate the **shortest** distance?

3

This table shows the number of houses that installed solar panels each year in Oxford.

Year	Number of houses to get solar panel installed
2012	152
2013	165
2014	336
2015	403

What is the **mean** number of houses who install solar panels each year? Round your answer to the **nearest ten**.

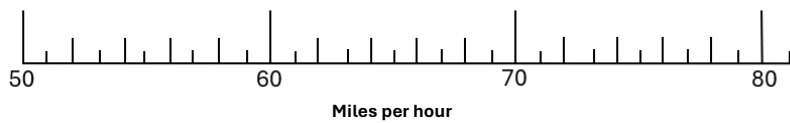
Show
your
method

houses

4

During a storm, the fastest wind speed recorded was 69 miles per hour.

Draw an arrow (↓) on the scale below to show 69 miles per hour.



5

Jack is climbing Mount Everest.

At the base of the mountain the temperature is 7°C.

The temperature **falls by** 25°C as he climbs to the top.

What is the temperature at the **top**?

°C

6

A school buys a wind turbine.

It is 123.5 metres tall.

What is the height of the turbine to the **nearest ten** metres?

metres

7

On average, London Heathrow airport receives six hundred and fourteen millimetres of rain a year. Write this as a **number**.

millimetres

Glasgow, in Scotland, receives one thousand two hundred and sixty two millimetres a year. Write this as a **number**.

millimetres

Cardiff, in Wales, receives 1203 millimetres a year on average. Write this number in **words**.

Order these rainfall averages from largest to smallest. Put them in **number** form:

Largest: millimetres

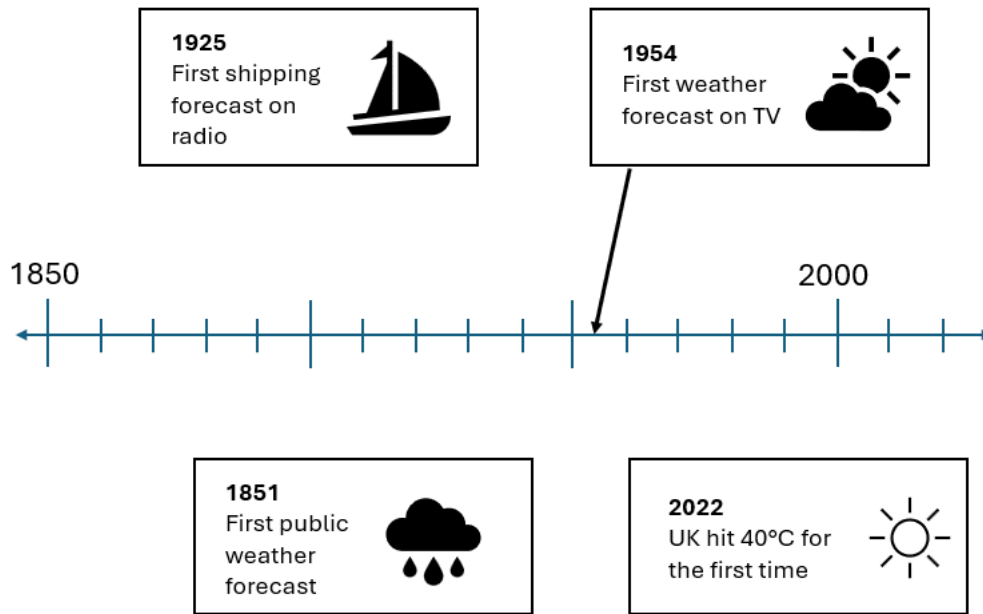
..... millimetres

Smallest: millimetres

8

Draw a line from each of the important weather dates to the correct point on the timeline.

One has been done for you



9

Students were asked to estimate how many miles the school’s electric bus would get them on a full charge.

These are the estimates of five children.

Charlotte	240 miles
Rakesh	253 miles
Millie	205 miles
Khadijha	270 miles
Jamie	265 miles

The exact distance is 247 miles.

“More children underestimated the number of miles the bus could travel than those that overestimated the number of miles”

Is this statement correct or wrong? **Circle** the correct answer and **explain** your answer.

Correct / Wrong

Explain your answer here

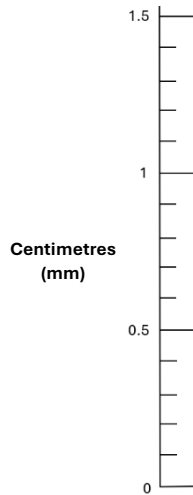
How many miles did Khadijha overestimate by?

miles

10

1.3 centimetres(cm) of snow fell overnight.

Draw an arrow (←) on the scale below to show 1.3 millimetres



11

Mist and fog often get confused.

Mist is when you can't see past 5 **kilometres**.

Fog is when you can't see past 1 **kilometre**.

How much **further** in **metres** can you see in mist compared to fog?

metres

