

# Year 4 Statistics

**Q1.**

Here is a diagram for sorting numbers.

Write **one number** in each box.

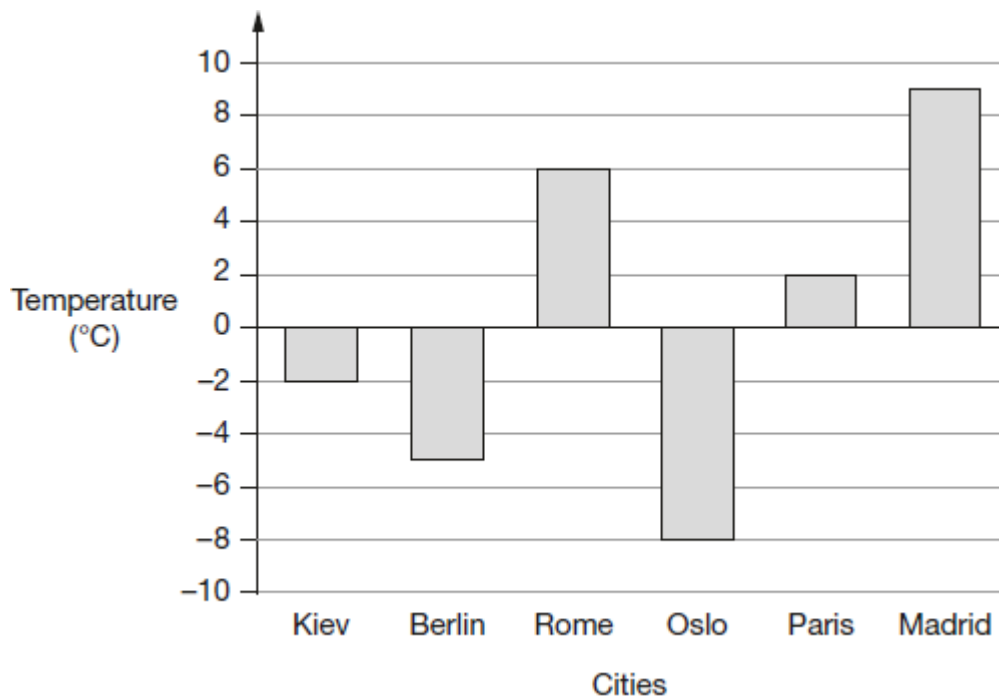
One is done for you.

	multiple of 5	not a multiple of 5
multiple of 3	30	
not a multiple of 3		

2 marks

**Q2.**

This graph shows the temperature in six cities on one day in January.



Which city was 4 degrees **warmer** than Kiev?

\_\_\_\_\_

1 mark

What was the **difference** between the temperature in Oslo and the temperature in Berlin?

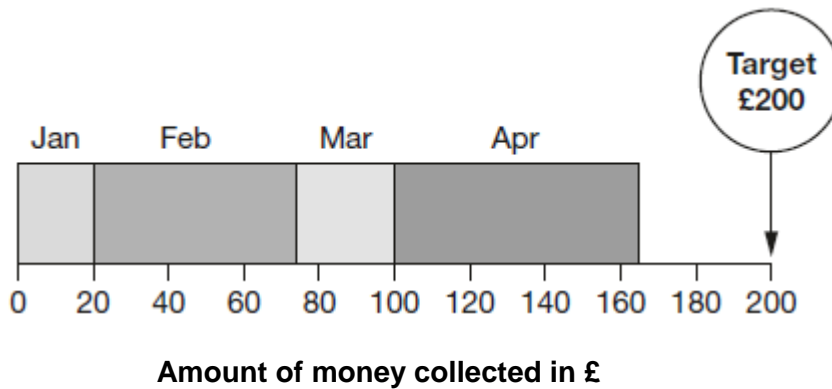
°C

1 mark

**Q3.**

A school plans to collect £200 between January and May.

This chart shows how much they collected by the end of April.



Write the name of **each** month where they collected more than £50

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1 mark

How much money did they collect in February and March **altogether**?

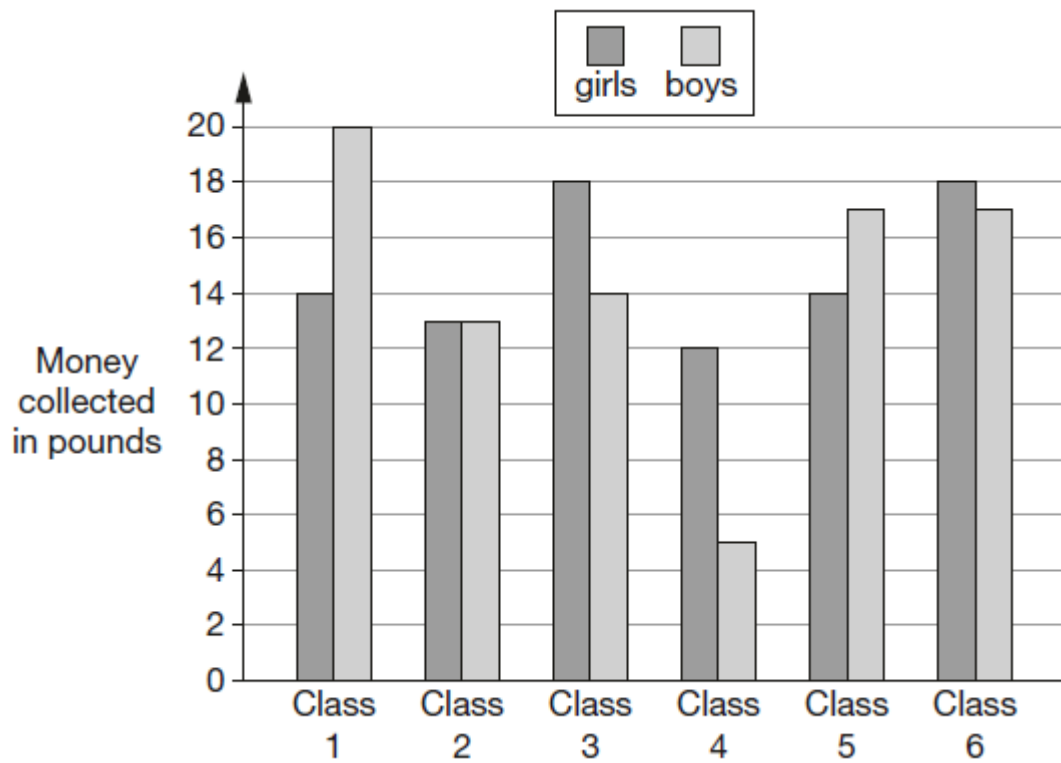
£

1 mark

**Q4.**

Six classes at Winward Primary School collected some money.

The chart shows how much money the boys and girls collected.



In Class 4, how much more money did the girls collect than the boys?

£

1 mark

How many classes collected more than £30?

classes

1 mark

**Q5.**

This table shows the opening times of a pet clinic.

  <b>Pet Clinic</b>  	
Monday	10am to 4:30 pm
Tuesday	10am to 4:30 pm
Wednesday	Closed all day
Thursday	10:30 am to 2:30 pm
Friday	1pm to 6:30 pm
Saturday	10am to 5:30 pm
Sunday	Closed all day

How many hours is the clinic open on Thursday?

**hours**

1 mark

On which day is the clinic open for the longest time?

1 mark

Liam takes his dog to the clinic on Saturday.

He arrives at 9:25am.

How many minutes is it before the clinic opens?

**minutes**

1 mark

**Q6.**

This table shows the four most popular names for baby girls born each year from 2004 to 2008.

	2004	2005	2006	2007	2008
1st	Emily	Jessica	Olivia	Grace	Olivia
2nd	Ellie	Emily	Grace	Ruby	Ruby
3rd	Jessica	Sophie	Jessica	Olivia	Grace
4th	Sophie	Olivia	Ruby	Emily	Emily

In how many years was Olivia in the **top three** most popular names?

1 mark

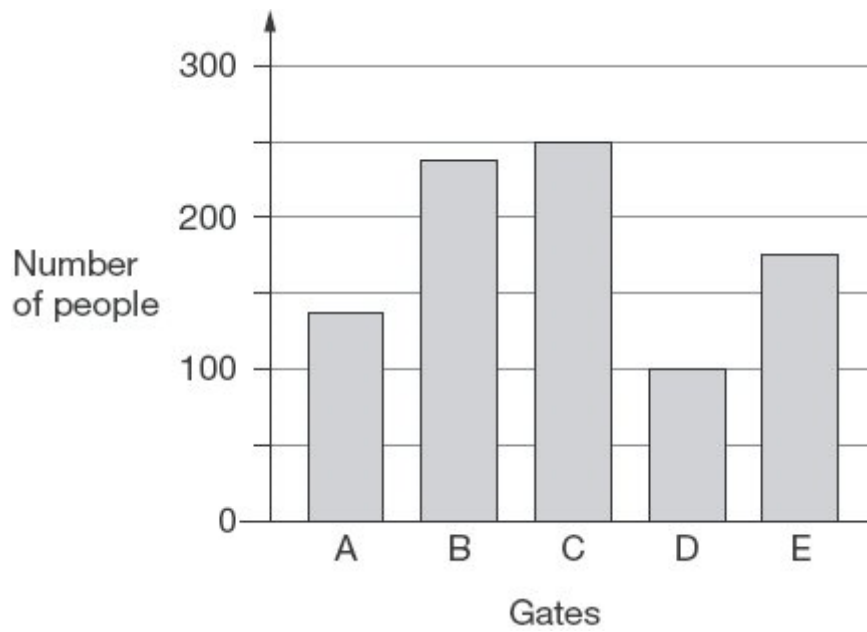
Write **all** the years when Emily was a more popular name than Jessica.

1 mark

**Q7.**

There are five entry gates at an open air concert.

This bar chart shows how many people went through each gate.



How many **more** people went through gate C than gate D?

1 mark

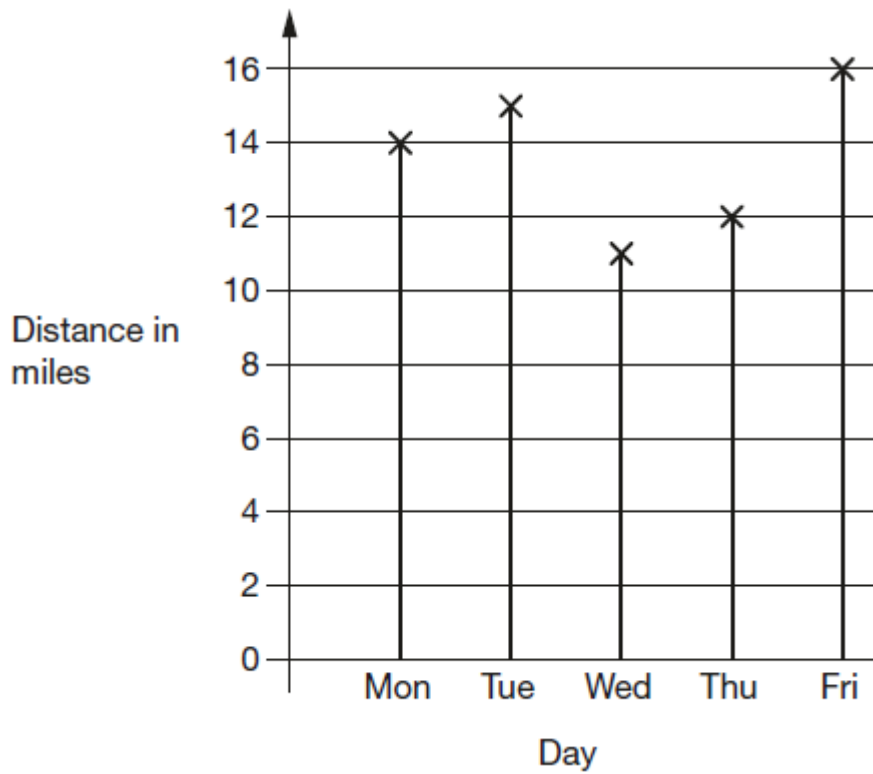
How many gates had **fewer than 150** people go through?

1 mark

**Q8.**

Amy went on a cycling holiday.

This chart shows how far she cycled each day.



How much **further** did Amy cycle on Friday than on Wednesday?

miles

1 mark

How far did Amy cycle **altogether** on the three days she cycled the most?

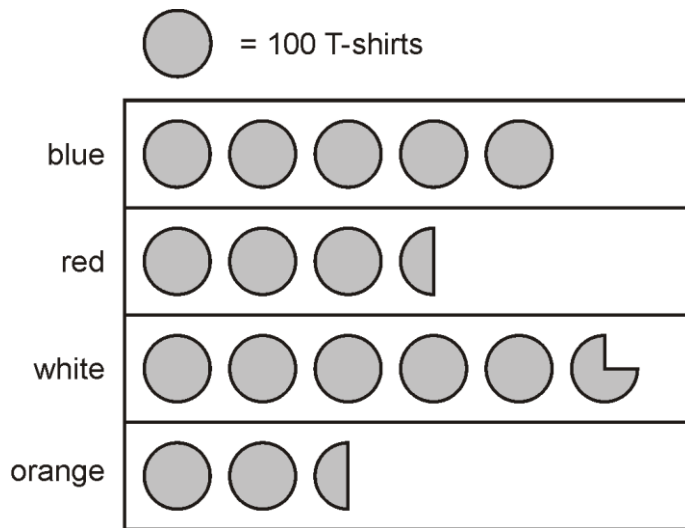
miles

1 mark

**Q9.**

A shop sells T-shirts.

This chart shows how many T-shirts were sold in a month.



Write the colours of the T-shirts that sold **more than 400** in the month.

\_\_\_\_\_

1 mark

How many red T-shirts and orange T-shirts were sold **altogether**?

1 mark

How many **more** white than blue T-shirts were sold?

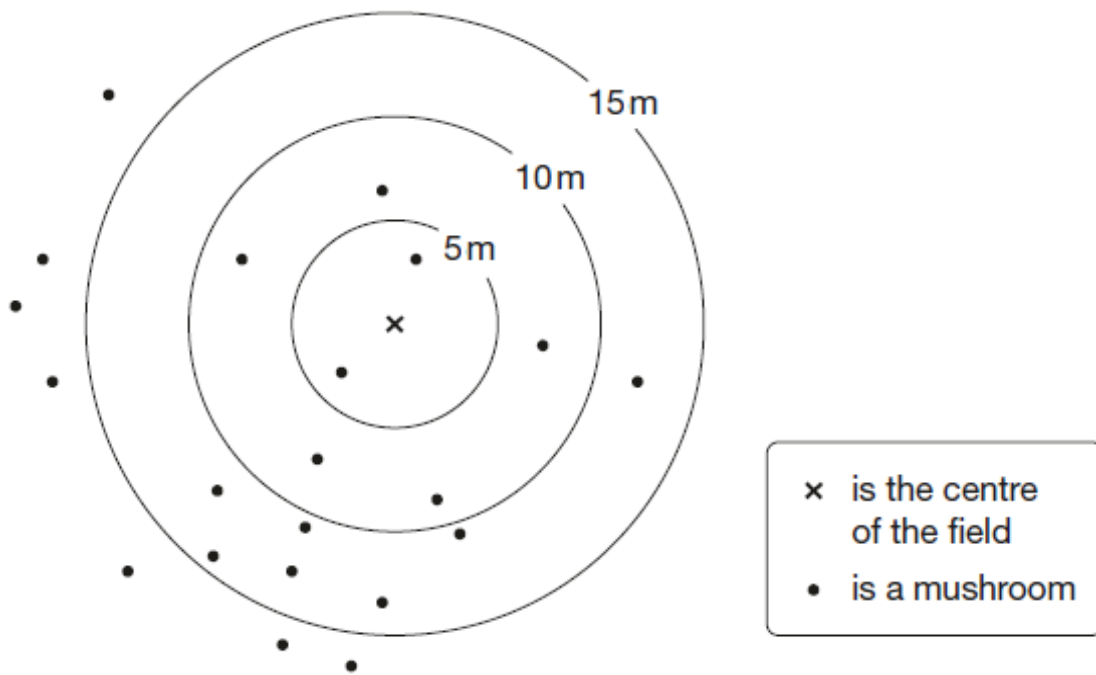
1 mark

**Q10.**

Class 6 did a survey of mushrooms growing in a field.

The diagram shows the distances of mushrooms from the centre of the field.





How many mushrooms were more than 10 metres from the centre?

1 mark

What **fraction** of the mushrooms were less than 10 metres from the centre?

1 mark

**Q11.**

Amy did a survey of what time people get up on a Sunday morning. This table shows her results for 150 people.

Time	number of people
before 7 am	13
7:00 am to 7:59 am	28
8:00 am to 8:59 am	59

9:00 am to 9:59 am	36
10 am and after	14

Look at the table.

How many people get up at **8 am or later**?

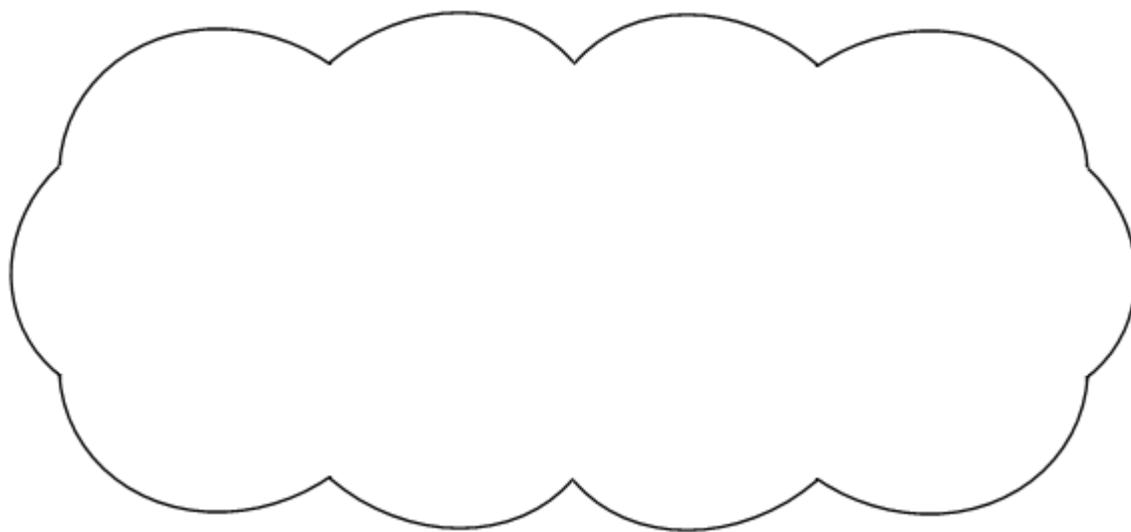
1 mark

Amy says,

***'Two-thirds of the 150 people in the survey get up before 9 am.'***

Amy is correct.

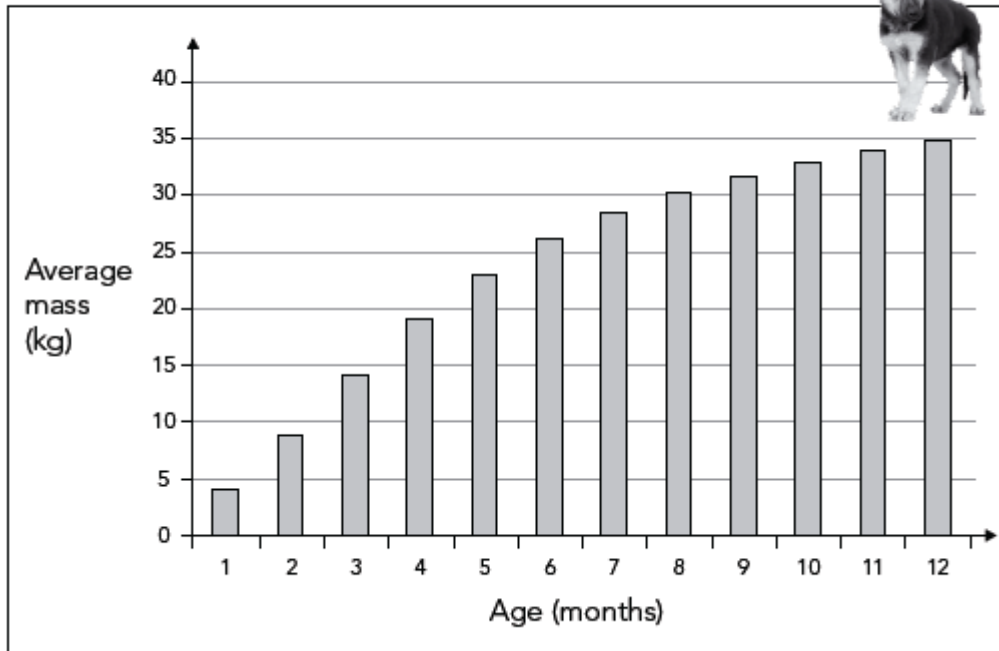
Explain how you know.



1 mark

**Q12.**

Here are two pieces of information about dogs called German Shepherds.



The average mass of an **adult** German Shepherd is about 35 kg.

Use **both** pieces of information to summarise how German Shepherd dogs grow.

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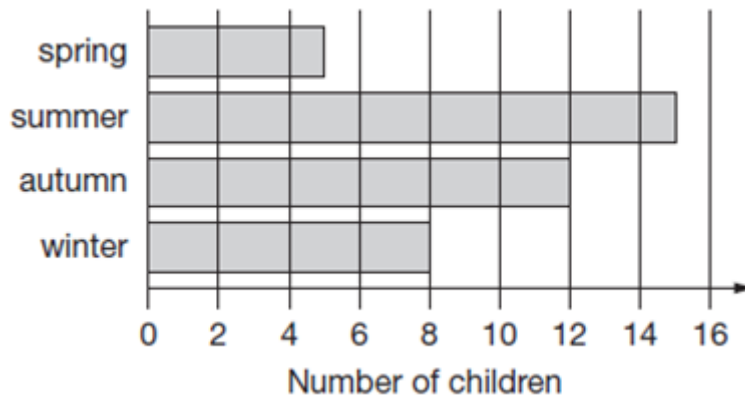
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2 marks

**Q13.**

A survey was done to find out children's favourite season.

This chart shows the results.



How many more children chose autumn than chose spring?

1 mark

Kirsty says,

***'Exactly twice as many children chose summer as chose winter.'***

Is Kirsty correct?  
Circle **Yes** or **No**.

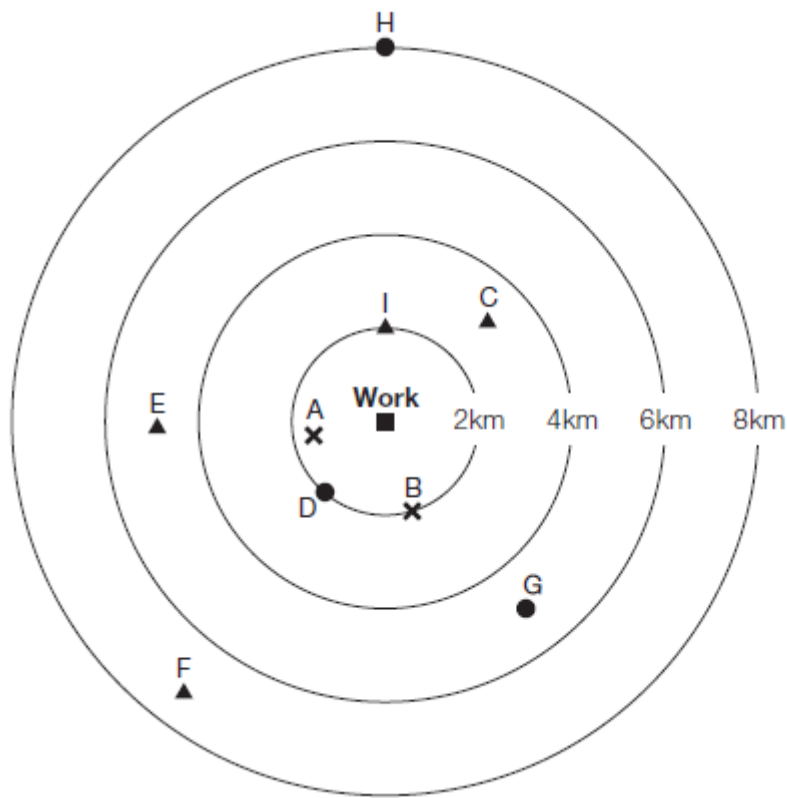
Yes / No

Explain how you know.

1 mark

**Q14.**

This diagram shows how nine people travel to work and how far away they live.



Key:	
x	walk
▲	bus
●	cycle

How many people live **more** than 4 km from work?

1 mark

How far from work does person **G** live?

1 mark

Write the letter of the person who lives 2 km from work and cycles.

1 mark

