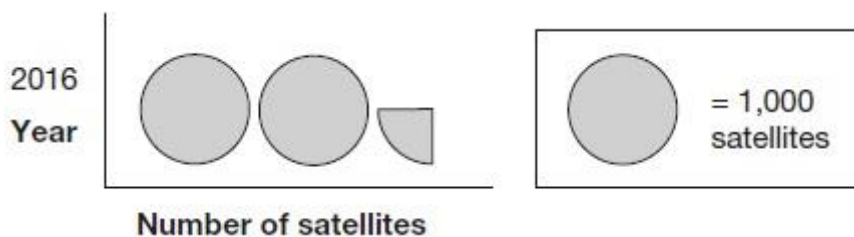


Year 6 Interpreting Data

Q1. This pictogram shows the number of satellites above the Earth in 2016.

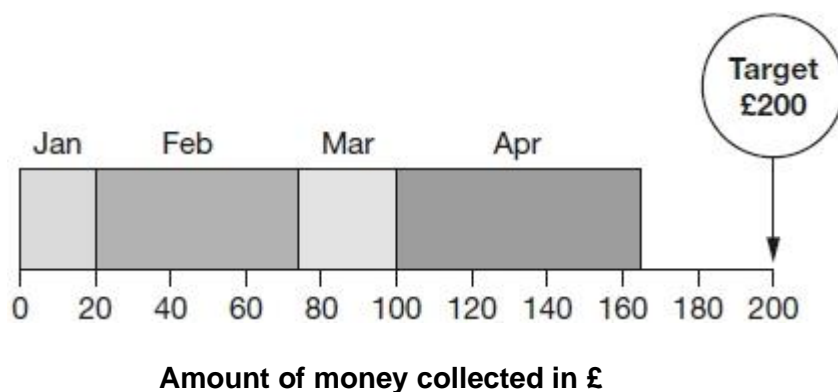


How many satellites were above the Earth in 2016?

1 mark

Q2. 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

1 mark

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

1 mark

Q3. Megan likes honey, but not jam.

Alfie likes honey and jam.

Chen does not like honey or jam.

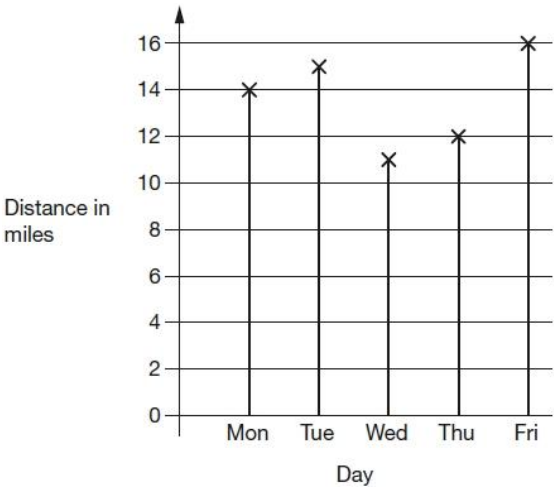
Donna only likes jam.

Write the children’s names in the correct parts of the sorting diagram.

	likes honey	does not like honey
likes jam		
does not like jam		

2 marks

Q4. Amy went on a cycling holiday. This chart shows how far she cycled each day.



miles

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

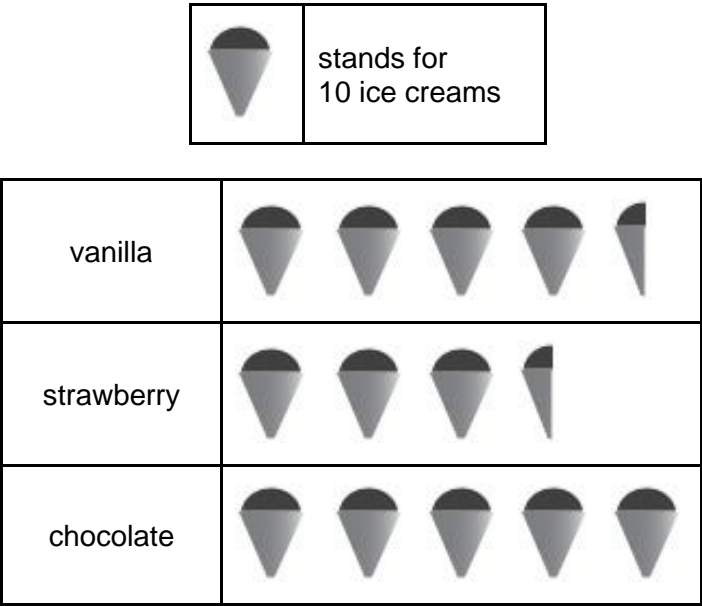
1 mark

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

miles

1 mark

Q5. This pictogram shows the number of ice creams a shop sold in one day.



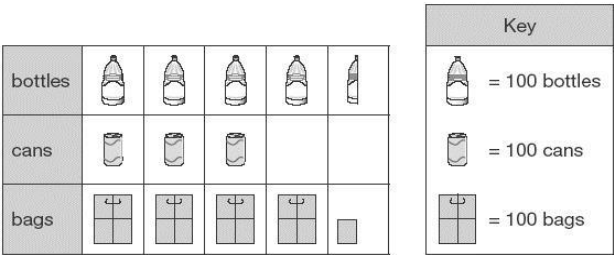
How many **more** chocolate than strawberry ice creams were sold?

1 mark

How many ice creams were sold **altogether**?

1 mark

Q6. Class 6 collect litter from a park. This chart shows some of the litter they have collected so far.



How many bottles have Class 6 collected?

1 mark

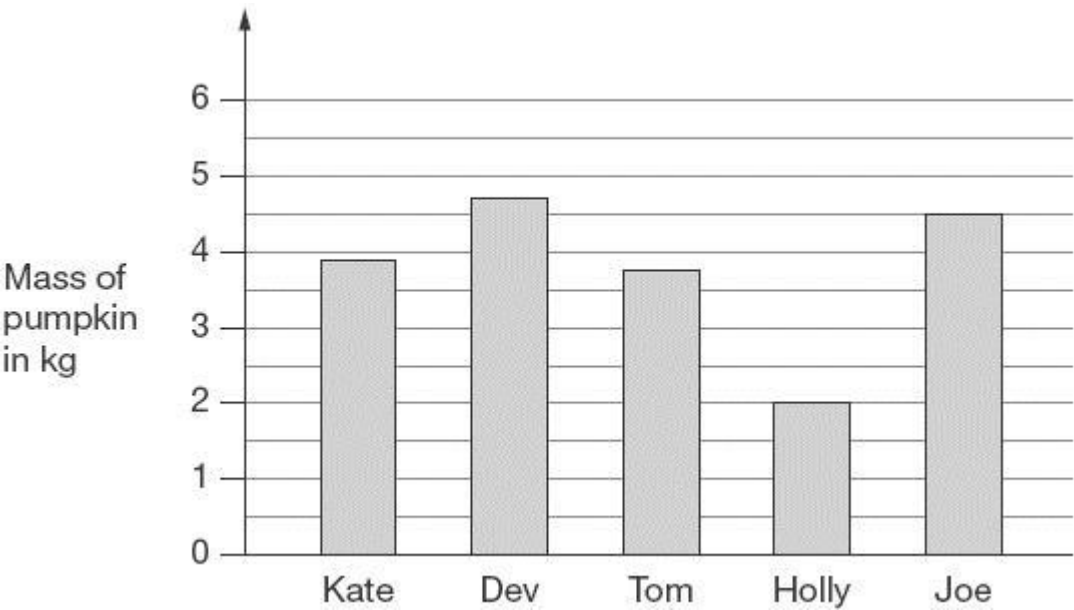
How many **more** bags than cans have they collected?

1 mark

Q7. Five children grow pumpkins.



This bar chart shows how heavy their pumpkins are.



How much heavier is Joe’s pumpkin than Holly’s?

kg

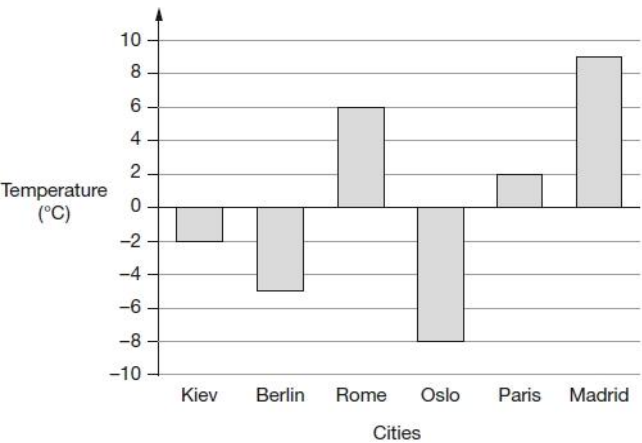
1 mark

What is the mass of Dev’s pumpkin to the **nearest kilogram**?

kg

1 mark

Q8. 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

Q9. Five children took part in a chess competition.

They each played six games.

This table shows how many games each child won, drew or lost.

	won	drew	lost
Alfie	1	3	2
Megan	2	2	2
Chen	3	3	0
Donna	4	0	2
Tom	0	5	1

How many children drew more games than they lost?

1 mark

Each child scores two points for a win,
one point for a draw,
no points for a loss.

Who scored the most points?

1 mark

Q10. The table below shows five journeys a taxi driver made one day.

journey number	start time	number of passengers	distance	cost
1	9:15 am	2	8 km	£7.50
2	9:40 am	1	12 km	£9.90
3	10:30 am	3	7 km	£7.60
4	10:50 am	1	21 km	£15.50
5	12:10 pm	4	15 km	£12.00

On journey number 5, the passengers shared the cost equally.

How much did **each** passenger pay?

1 mark

How many **passengers** made journeys of more than 10 km?

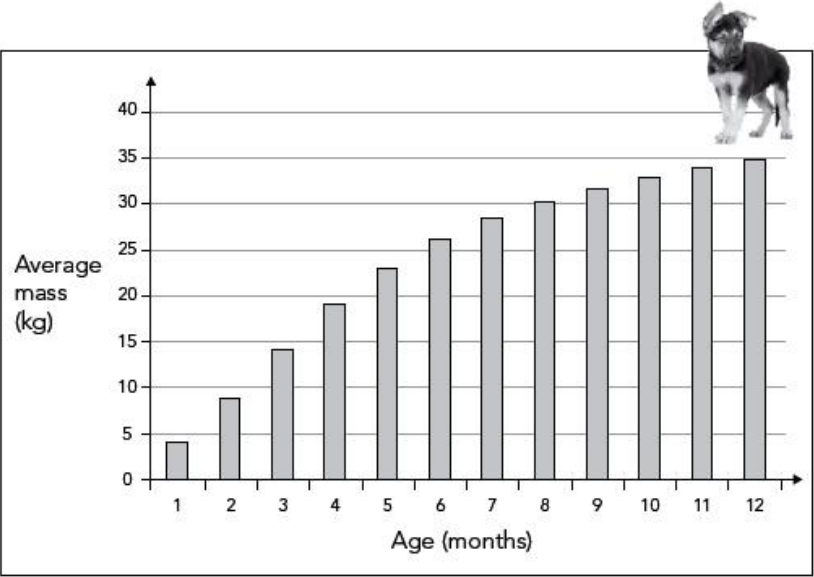
1 mark

The 12 km journey took 40 minutes.

What time did the taxi finish its journey?

1 mark

Q11. 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.

2 marks

Q12. Park School collects money for three charities.

This pictogram shows how much they have collected.

 stands for £100

 Save Dolphins					
 Wildwatch					
 Plant-a-Tree					

How much more have they collected for Save Dolphins than Plant-a-Tree?

£

1 mark

The target for Wildwatch is £500

How much **more** money do they need to collect for Wildwatch?

£

1 mark

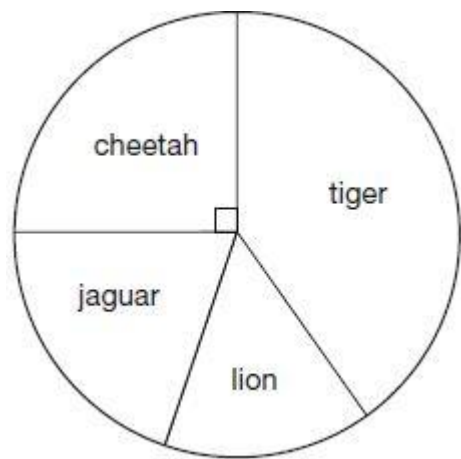
How much money have they collected altogether, rounded **to the nearest hundred pounds**?

£

1 mark

Q13. This chart shows the number of different types of big cat in a zoo.

There are **20** big cats in the zoo altogether.



Here are some statements about the chart.

Tick the statements that are **true**.

- There are more cheetahs than jaguars.

☐
- The total number of lions and tigers is 10

☐
- One-quarter of the big cats are cheetahs.


☐
- There are more than 5 jaguars.

☐

2 marks

Q14.

This table shows when flights take off at an airport.

Flight number	Destination	Take-off time 
AX40	Paris	13:35
BH253	Berlin	14:05
CG008	Rome	15:25
DP369	Paris	15:40
EZ44	Lisbon	16:15
FJ994	Dublin	17:25

How many flights take off between 3pm and 5pm?

1 mark

How much later does the second flight to Paris take off than the first?

1 mark

The flight to Dublin takes 50 minutes.

What time does it arrive in Dublin?

1 mark