1 William wants to travel to Paris by train.

He needs to arrive in Paris by **5:30 pm**.

Circle the **latest time** that William can leave London.

Leaves London	Arrives Paris
12:01	15:22
12:25	15:56
13:31	16:53
14:01	17:26
14:31	17:53
15:31	18:53
16:01	19:20

1 mark

2 Here is part of the morning bus timetable from Winton to Yansley.

Winton	9:35	9:55	10:15	10:35
Ingham	9:45	10:05	10:25	10:45
Carston	10:01	10:21	10:41	11:01
Dubley	10:23	10:43	11:03	11:23
Yansley	10:55	11:15	11:35	11:55

How many minutes does the bus take to get from Ingham to Dubley?

minutes

1 mark

Megan is in Carston.

She wants to be in Yansley before 11:30

What is the time of the latest bus she can take from Carston?

:

One morning, the 10:35 bus from Winton gets to Carston 3 minutes early.

What time does it get to Carston?

:

3 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.

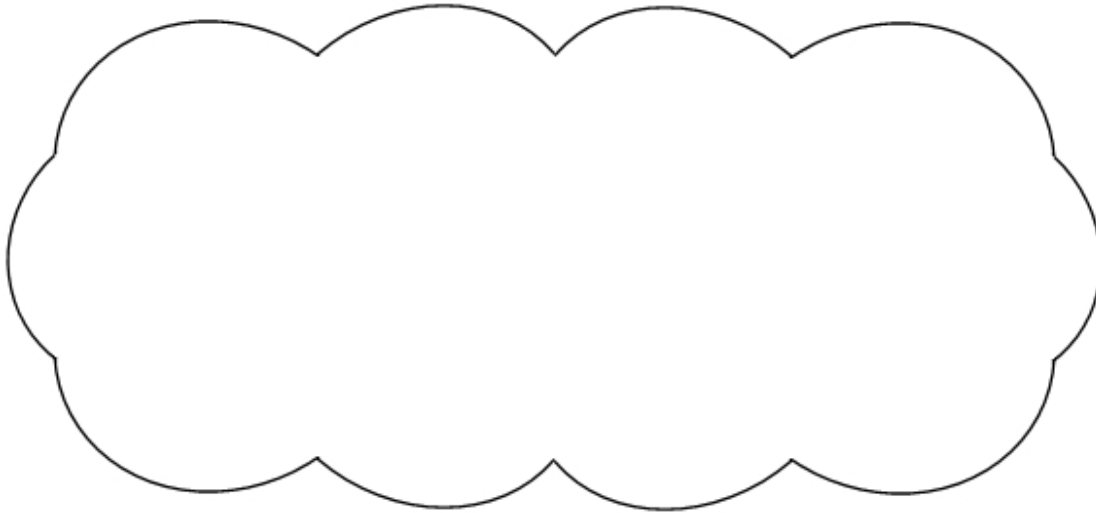How many people get up at **8 am or later**?

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

4   Here is the calendar for August 1998.

August 1998

Sun	Mon	Tues	Wed	Thur	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Simon's birthday is on **August 20th**.

In 1998 he had a party on the **Sunday after** his birthday.

What was the **date** of his party?

1 mark

Tina's birthday is on **September 9th**.

On what **day of the week** was her birthday in 1998?

[ ]

1 mark

5

Boat Hire	
Motor boats	**Rowing boats**
£1.50 for 15 minutes	£2.50 for 1 hour

How much does it cost to hire a **rowing boat** for three hours?

£ [ ]

1 mark

Sasha pays **£3.00** to hire a **motor boat**.

She goes out at **3:20pm**.
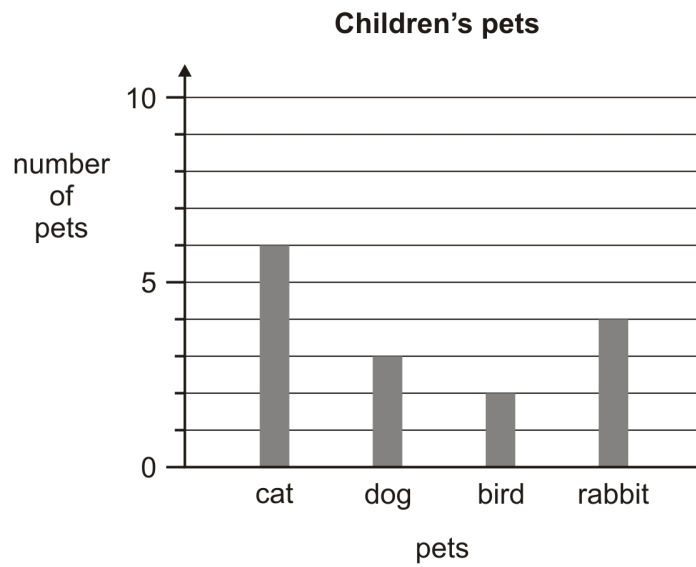
By what time must she **return**?

[ ] pm

1 mark

6   Here is a table of the pets owned by **six** children.

Name of child	Cat	Dog	Bird	Rabbit
David	3	1	0	0
Julie	0	0	1	2
Carl	2	0	0	1
Terry	0	1	0	1
Mary	0	2	0	0
Hawa	1	0	1	1

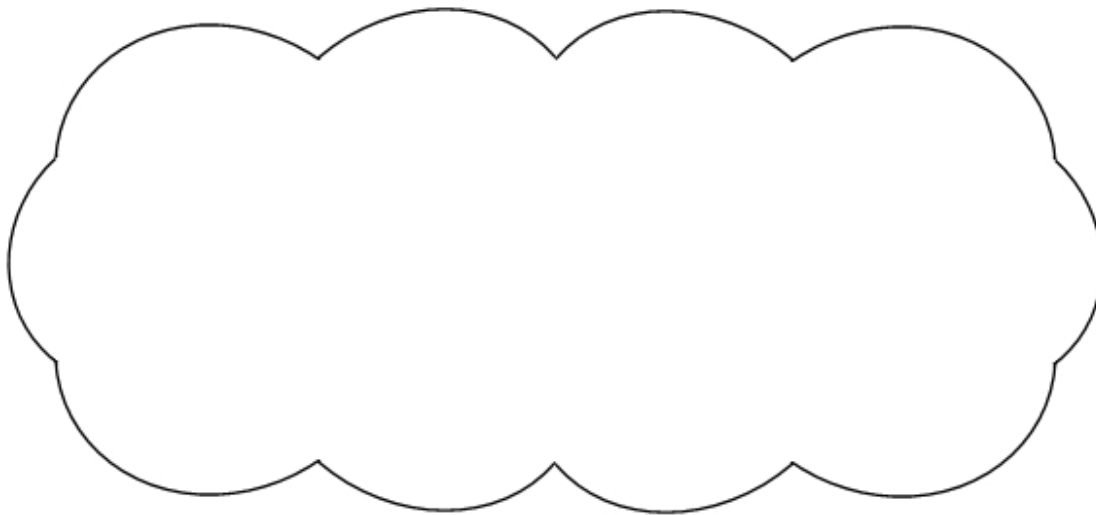Here is a graph of the pets of **five** of the children.

Children's pets

The pets of **one** of the children are not on the graph.

Whose pets are **not** on the graph?

_____

Explain how you know.

7

Car Park charges	
Time	**Charge**
up to 1 hour	20p
1 to 2 hours	50p
2 to 3 hours	£1.00
3 to 4 hours	£1.70
over 4 hours	£5.00

Emma parks her car at **9.30 am**.

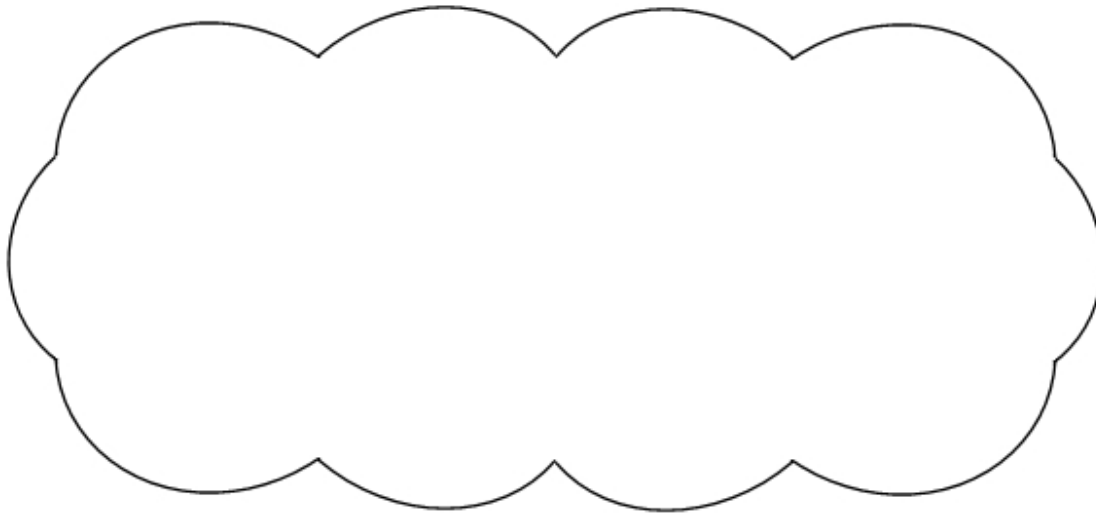She collects the car at **1.20 pm**.

How much does she pay?

Dan and Mark both use the car park.

Dan says,

'I paid exactly twice as much as Mark but I only stayed 10 minutes longer'.

Explain how Dan could be correct.

1 mark

8 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?

<div style="border:1px solid black; width:200px; height:80px;"></div>

1 mark

The flight to Dublin takes 50 minutes.

What time does it arrive in Dublin?

<div style="border:1px solid black; width:200px; height:80px;">:</div>

1 mark

9

Here are the **start** and **finish** times of some children doing a sponsored walk.

	Start time	Finish time
Claire	9.30	10.55
Ruth	9.35	11.05
Dan	9.40	11.08
Tim	9.45	11.05

How much longer did Claire take than Tim?

<div style="border:1px solid black; width:200px; height:80px;">minutes</div>

1 mark

10　Some children ran in two races on sports day.

Here are their times.

	100 m race	**800 m race**
Elise	15.9 seconds	3 minutes 02 seconds
Jake	19.7 seconds	2 minutes 58 seconds
Teri	16.8 seconds	3 minutes 01 seconds
Neil	17.1 seconds	2 minutes 59 seconds
Barry	18.4 seconds	2 minutes 57 seconds

Who finished the 100 m race in **second** place?

1 mark

In the 800 m race, how many seconds did Barry finish ahead of Elise?

seconds

1 mark

11 This is what it costs to visit a castle.

Allington Castle
Cost per person
Adults	£2.45
Children (11 and over)	£1.30
Children (under 11)	95p

Helen is 10 years 9 months old.
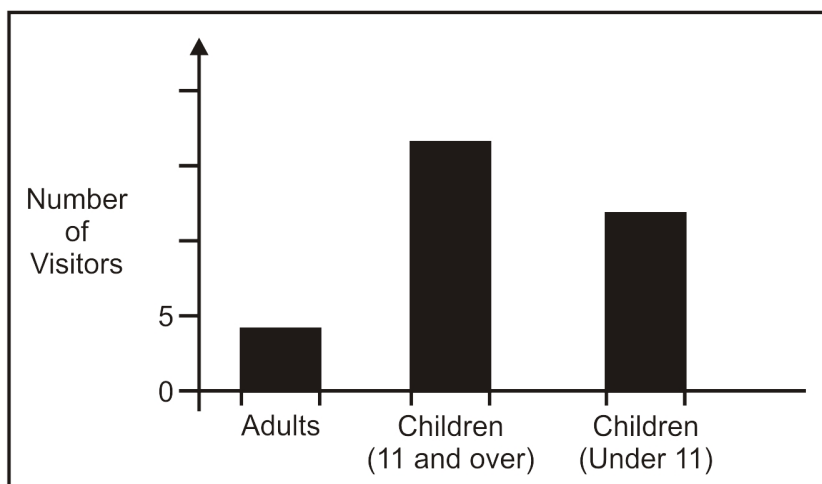
How much will it cost Helen to visit?

1 mark

On one day the number of visitors was

Adults	4
Children (11 and over)	16
Children (under 11)	12

Here is a graph to show the number of visitors.

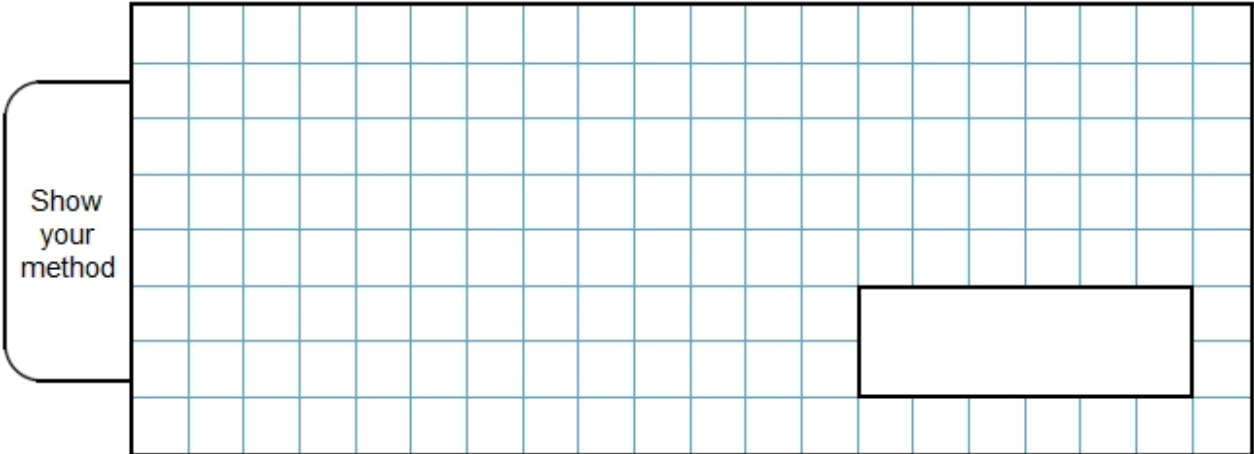Complete the scale for the axis called "Number of Visitors".

1 mark

How much will it cost for **18 children** (under 11) to visit the castle?

You **must** show your working.

Show your method

1 mark

12 There are 90 children in Year 6 at Woodland Junior School.

They are split into three classes.

Class	Number in class
6M	27
6P	33
6T	30

Each child chose football **or** netball **or** hockey.

In **6M**, 13 children chose hockey.
The rest of the class were split equally between football and netball.

In **6P**, 9 children chose netball.
Twice as many children chose football as chose hockey.

In **6T**, the ratio of children who chose
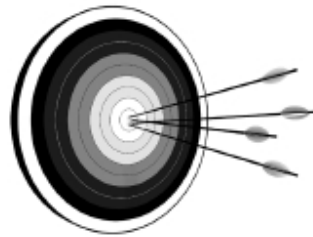football to netball to hockey was 1:2:3

Complete this table.

Class	Number in class	Football	Netball	Hockey
6M	27			13
6P	33		9	
6T	30			

<div align="right">2 marks</div>

13 Archery is an Olympic sport.

In 2008, two archers called Park and Zhang were in the women's final.

Both archers shot **12 arrows**.

Zhang won the final **by 1** point.

Complete the table for Zhang below.

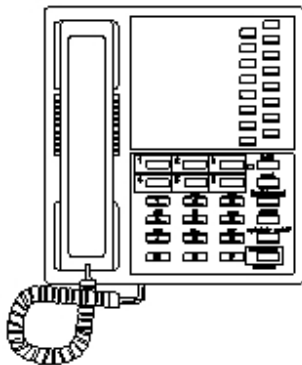You can use the space to show your calculations.

Show your method

Name of archer: **Park**	
What she scored with her **12 arrows**	
Number of points	Frequency
7	0
8	4
9	3
10	5

Name of archer: **Zhang**	
What she scored with her **12 arrows**	
Number of points	Frequency
7	1
8	0
9	
10	

2 marks

14 Tom collects information about how long the phone calls are in his house.

He makes a frequency table using class intervals of 30 seconds.

Here is **part** of the table.

length of call in secs.	0 - 29	30 - 59	60 - 89	90 - 119
number of calls	3	25	35	19

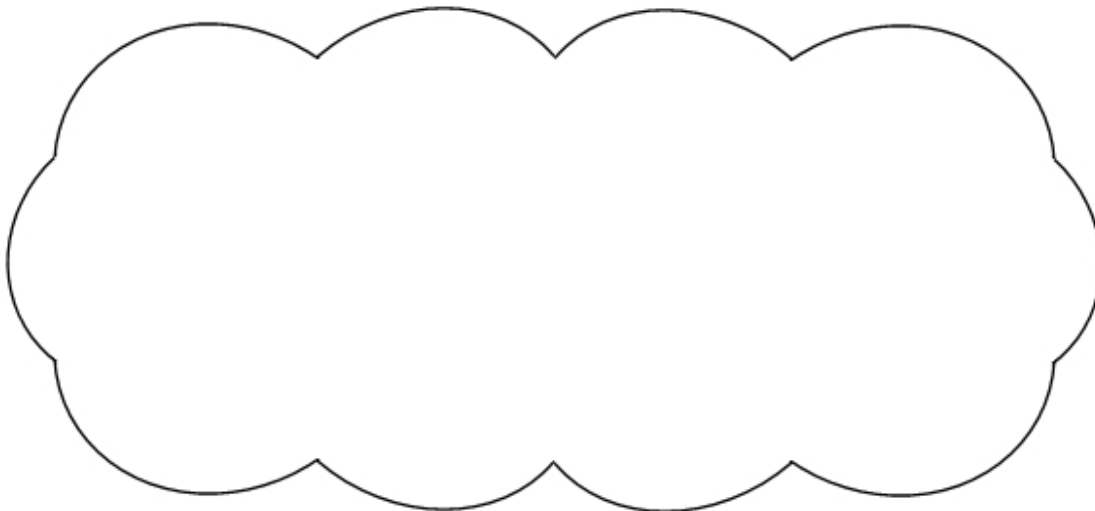The **longest call** was 175 seconds.

Which **class interval** does this fit into?

1 mark

Altogether he recorded **91 calls**.

Tom makes a **rough estimate** that half the calls lasted less than 75 secs.

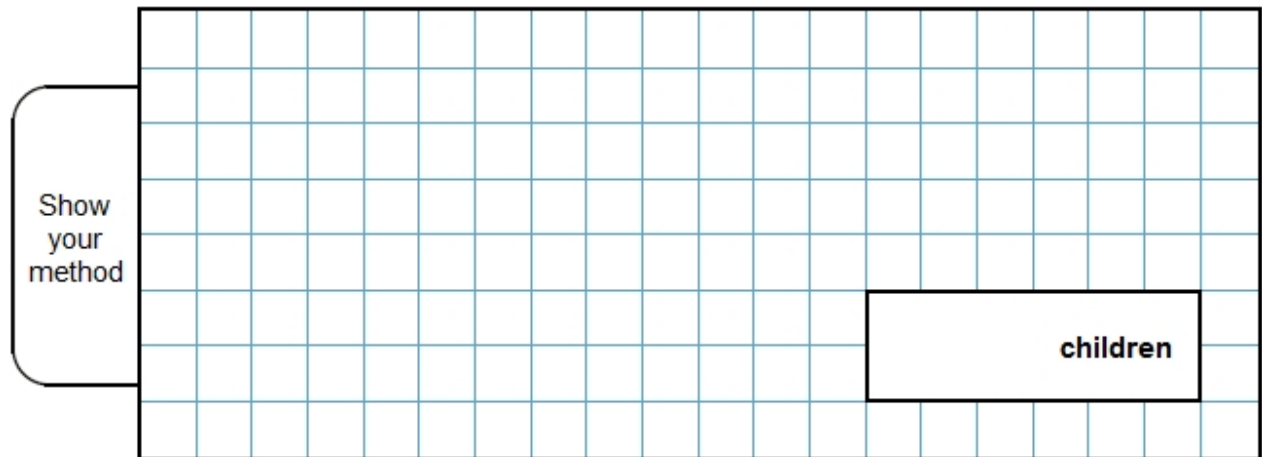Explain how he could make this estimate.

1 mark

15 In a survey of children's favourite fruit juices, these were the results.

Juice	Apple	Orange	Grape	Mango
Percentage of children	25%	14%	30%	31%

(a) **20 more** children chose grape than chose apple.

How many children took part in the survey?

Show your method
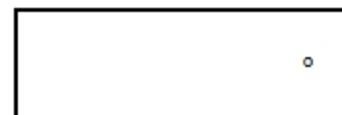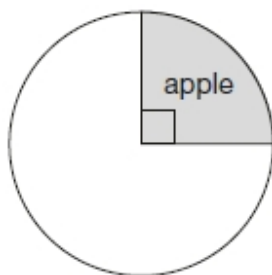
children

2 marks

(b) Chen makes a pie chart to show the results.

What **angle** should he use for the children who chose **mango**?

apple

°

1 mark

16 Here is a table of temperatures at dawn on the same day.

Temperatures °C	
London	-4°C
Moscow	-6°C
New York	-9°C
Paris	+6°C
Sydney	+14°C

What is the **difference** in temperature between **London** and **Paris**?

°C

1 mark

At noon the temperature in **New York** has **risen by 5°C.**

What is the temperature in **New York** at noon?

°C

1 mark

17 On Monday all the children at Grange School each play one sport.

They choose either hockey or rounders.

There are **103** children altogether in the school.

27 girls choose hockey.

Write all this information in the table.
Then complete the table.

	hockey	rounders	Total
boys	22		
girls			53
Total			

2 marks

18

This table shows the number of things to eat in **five** children's lunch boxes.

	sandwiches	apples	bananas	fruit bars
Lisa	1	2	0	2
Jack	2	0	2	1
Kemi	1	1	0	2
Nik	1	2	1	0
Ben	2	1	2	1

Here is a graph of the information for **four** of the children.
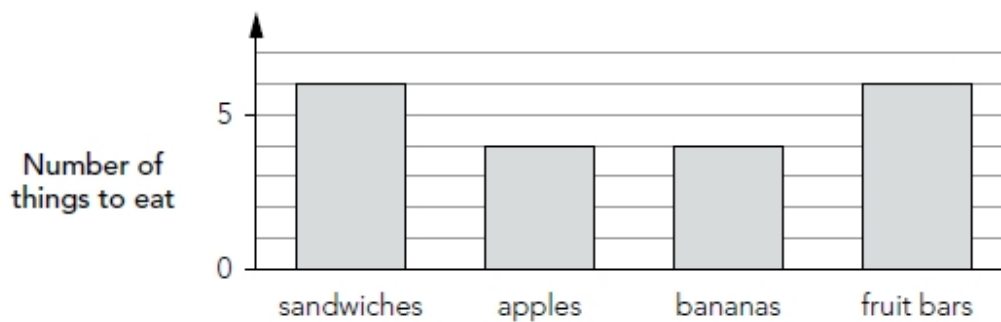
Which child's information is missing from the graph?

Explain how you know.
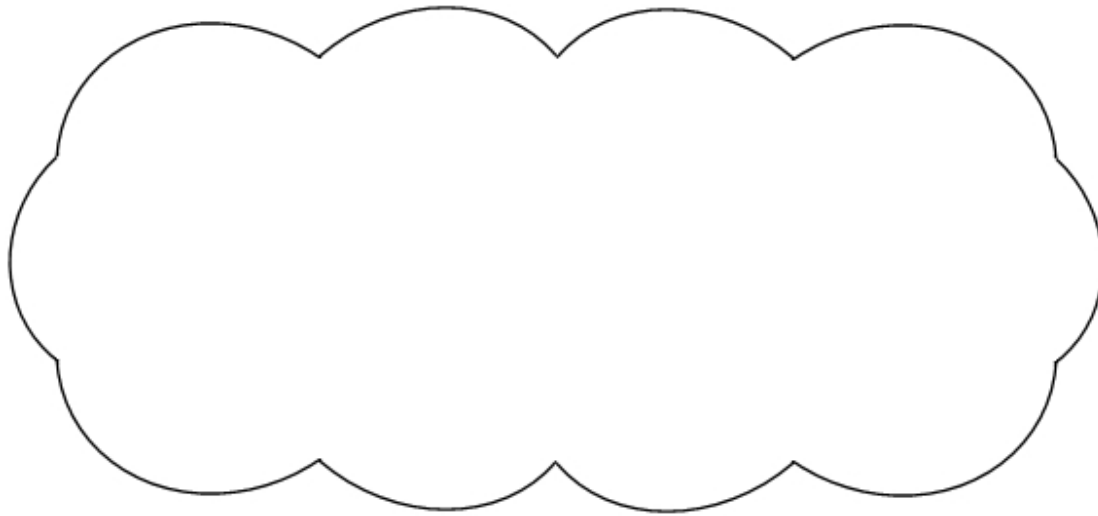
1 mark

19 Here is information about pupils in a class.

- The total number of pupils is 30

- 26 of the pupils do not wear glasses.

- A quarter of the pupils who do wear glasses are boys.

- There are 2 more boys than girls.

Use the information to fill in the missing numbers in the table below.

	Number who **do** wear glasses	Number who **do not** wear glasses	Total
Number of boys			
Number of girls			
Total			30

2 marks

20 This table shows the distances in **kilometres** between five towns.

	Birmingham	Cardiff	London	Manchester	Newcastle
Birmingham		179	188	127	334
Cardiff	179		269	278	489
London	188	269		298	441
Manchester	127	278	298		212
Newcastle	334	489	441	212	

Use the table to find the distance from **London** to **Manchester.**

km

1 mark

James goes from **Newcastle** to **Birmingham,** and then on to **Cardiff.**

How many **kilometres** does he travel?

Show your method

km

2 marks

21

The table shows the cost of coach tickets to different cities.

		Hull	York	Leeds
Adult	single	£12.50	£15.60	£10.25
	return	£23.75	£28.50	£19.30
Child	single	£8.50	£10.80	£8.25
	return	£14.90	£17.90	£14.75

What is the total cost for a **return** journey to York for one adult and two children?

£

1 mark

How much **more** does it cost for two adults to make a **single** journey to Hull than to Leeds?

£

1 mark