

Q1.

Jordan, Anna and Ryan collect picture cards.

Cards are worth either **50** points or **100** points.

The table shows the cards they have.

Complete the table for Anna and Ryan.

	50 points	100 points	total number of points
Jordon	5 cards	2 cards	450 points
Anna	3 cards	<input type="text"/> cards	550 points
Ryan	4 cards	6 cards	<input type="text"/> points

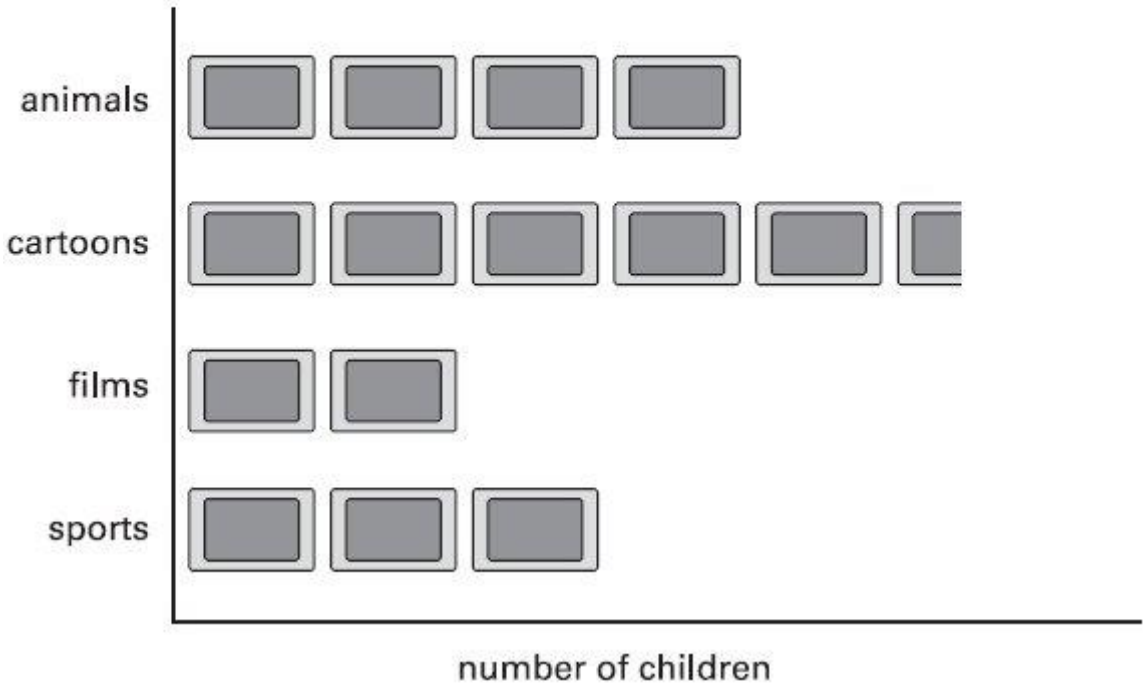
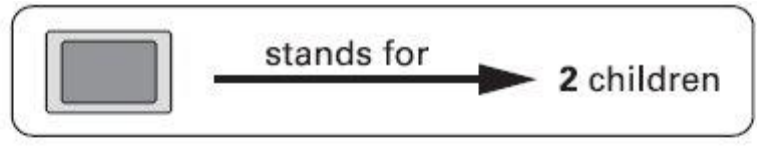
1 mark

Q2.

Kiz asked each child in his class,

'What kind of television programme do you prefer to watch?'

Here are his results.



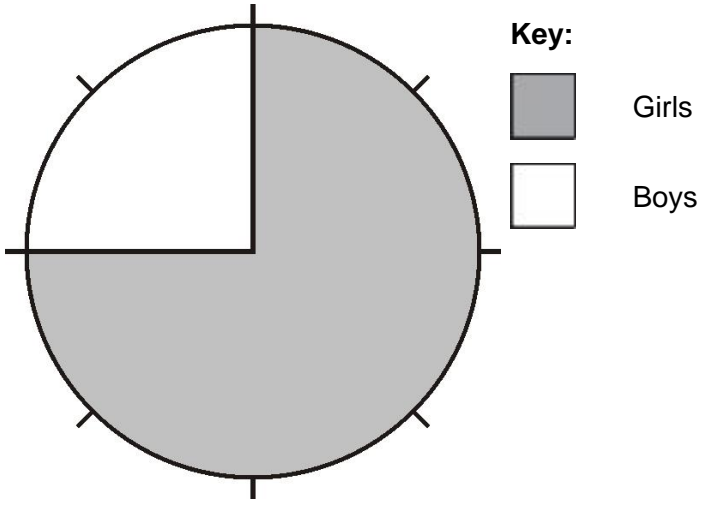
How many **more** children prefer to watch cartoons than films?

1 mark

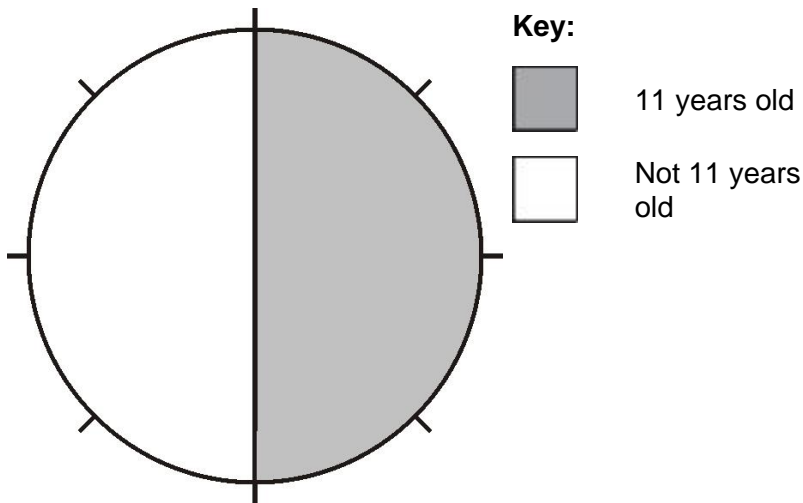
Q3.

Look at the information in these two pie charts.

Pupils in class 6K

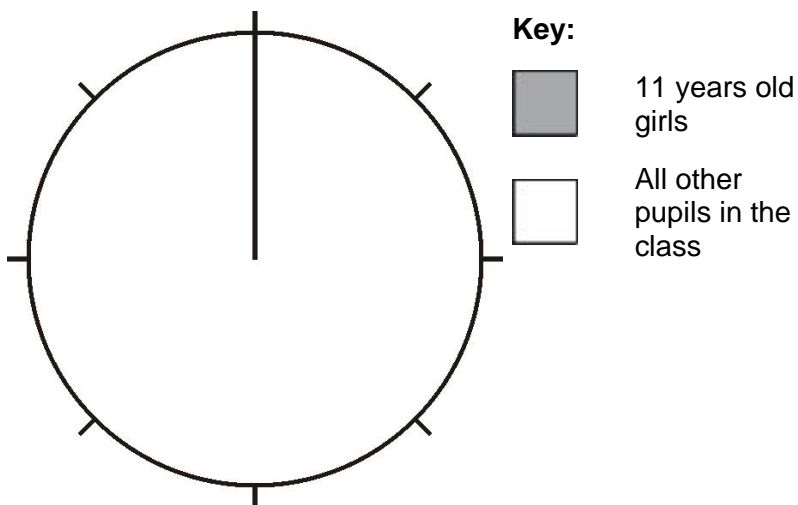


Girls in class 6K



Use the information in the two pie charts to complete the pie chart below.

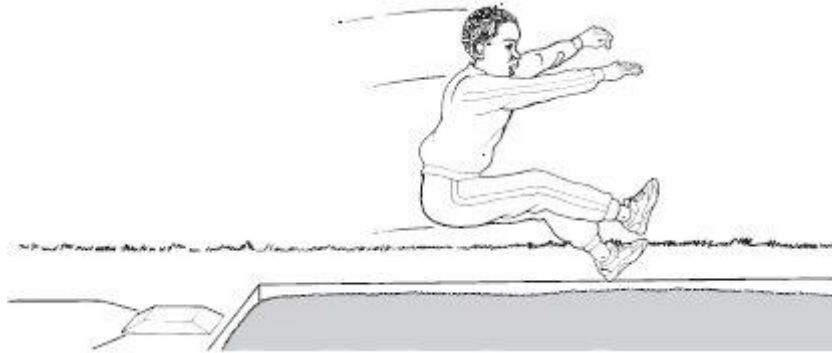
Pupils in class 6K



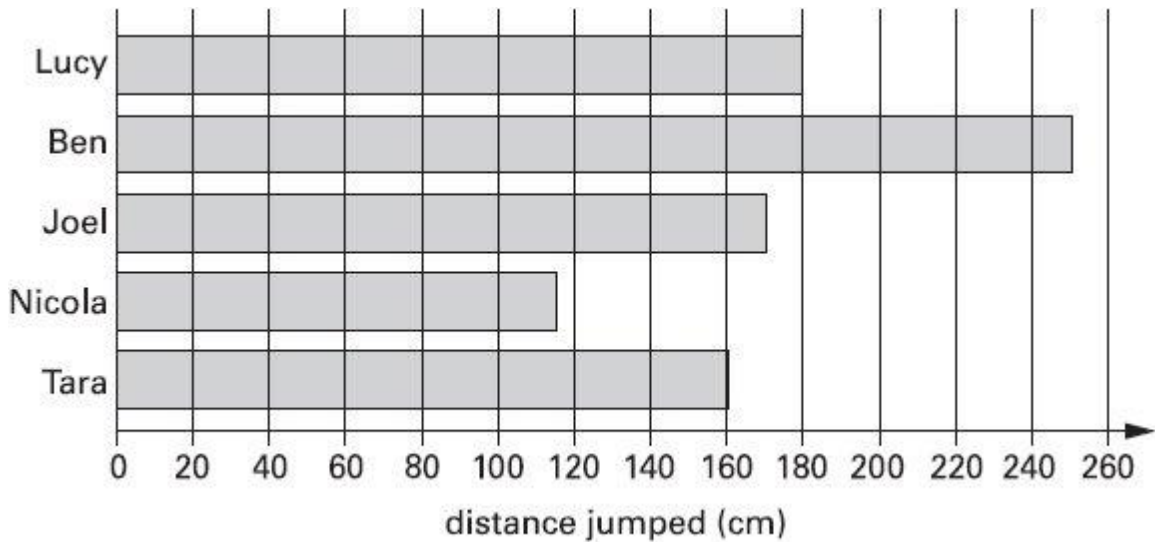
1 mark

Q4.

Some children take part in the long jump.



The graph shows the distances the children jumped.



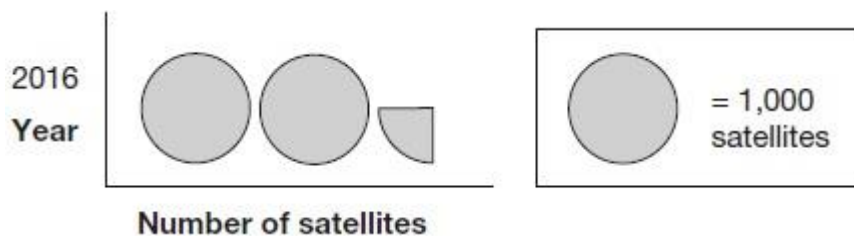
Estimate how much further Lucy jumped than Nicola.

cm

1 mark

Q5.

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



How many satellites were above the Earth in 2016?

Q6.

Here are four labels.

even	multiples of 9	not even	not multiples of 9
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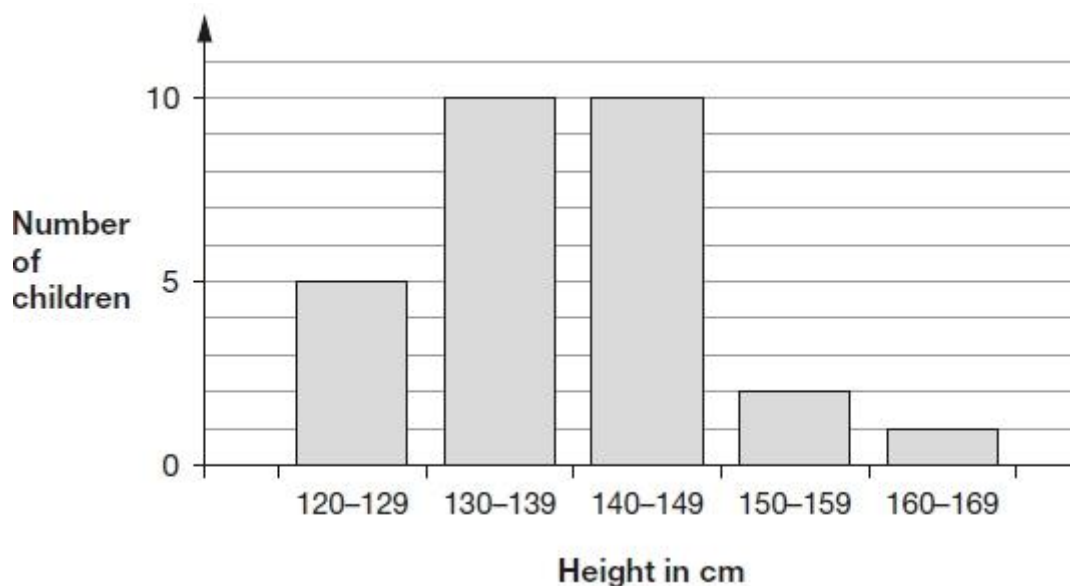
Write each label in the correct position on the sorting diagram below.

	72	54	84
		63	49
	45	75	

1 mark

Q7.

The graph shows the heights of 28 children in Alfie's class, to the nearest centimetre.



Alfie is 153 cm tall.

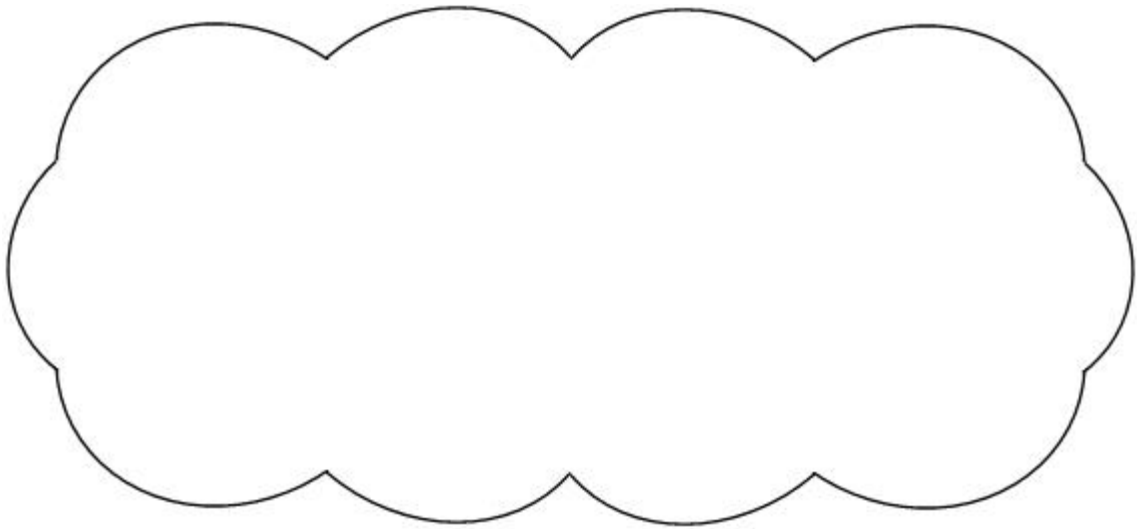
He says,

'Only one person in my class is taller than I am.'

Emma says,

'You can't tell this from the graph.'

Explain why Emma is correct.



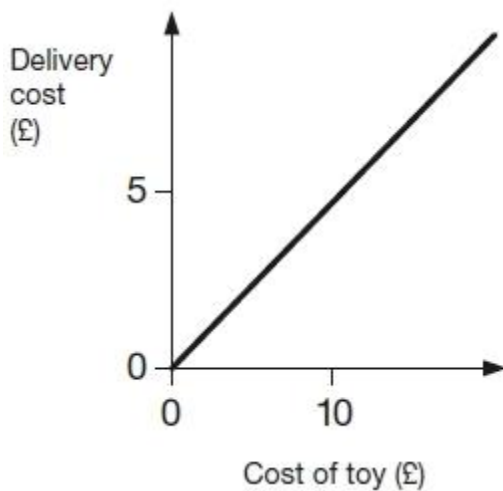
1 mark

Q8.

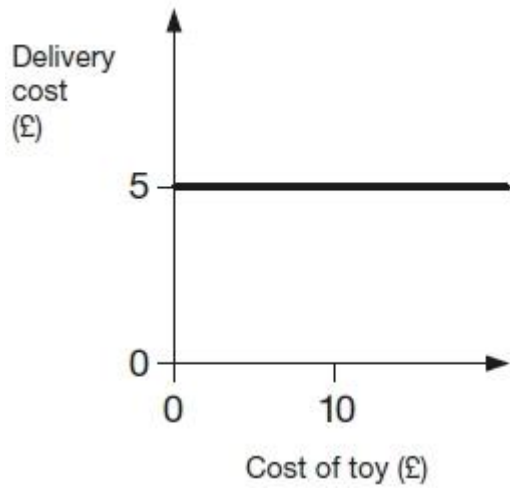
Two companies sell toys online. They charge to deliver.

Describe the delivery cost of the second company.

The first company is done for you.



The more a toy costs, the more
the delivery costs.



1 mark

Q9.

Here is the morning timetable for Chen's class this week.

Time	Mon	Tue	Wed	Thu	Fri
9:00 am – 10:30 am	Maths	English	Maths	English	Maths
10:30 am – 11:00 am	Break	Break	Break	Break	Break
11:00 am – 12:00 pm	English	Maths	Science	Maths	English

What is the **total** number of hours for **English** on this timetable?

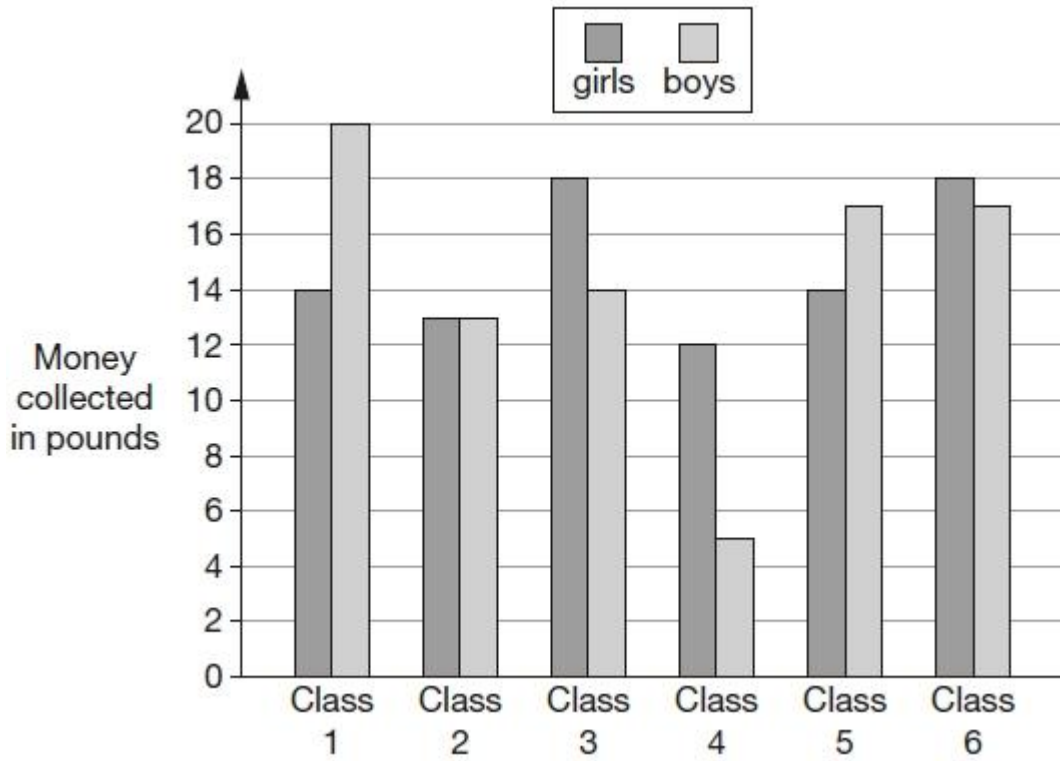
hours

1 mark

Q10.

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

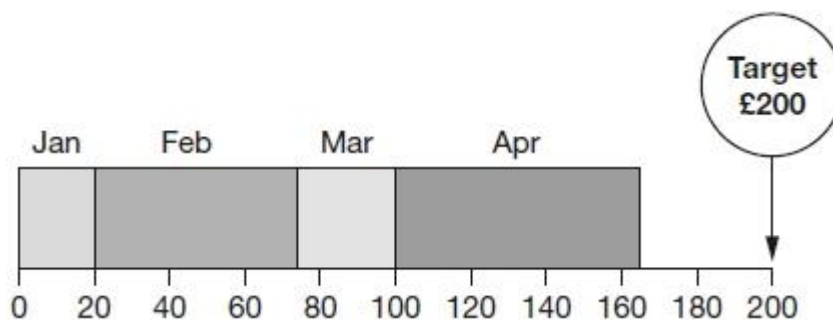
How many classes collected more than £30?

1 mark

Q11.

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

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



Amount of money collected in £

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

Q12.

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

Q13.

These are some prices in a fish and chip shop.

Fish £2.30	Peas 35p
Sausage £1.80	Curry sauce 40p
Chips (small bag) 60p	Bread roll 30p
Chips (large bag) 90p	Pickled onion 28p

Alfie buys one fish, a large bag of chips and a pickled onion.

How much does he pay?

£

1 mark

Megan buys a sausage and a bread roll.

Chen buys a small bag of chips and a curry sauce.

How much **more** does Megan pay than Chen?

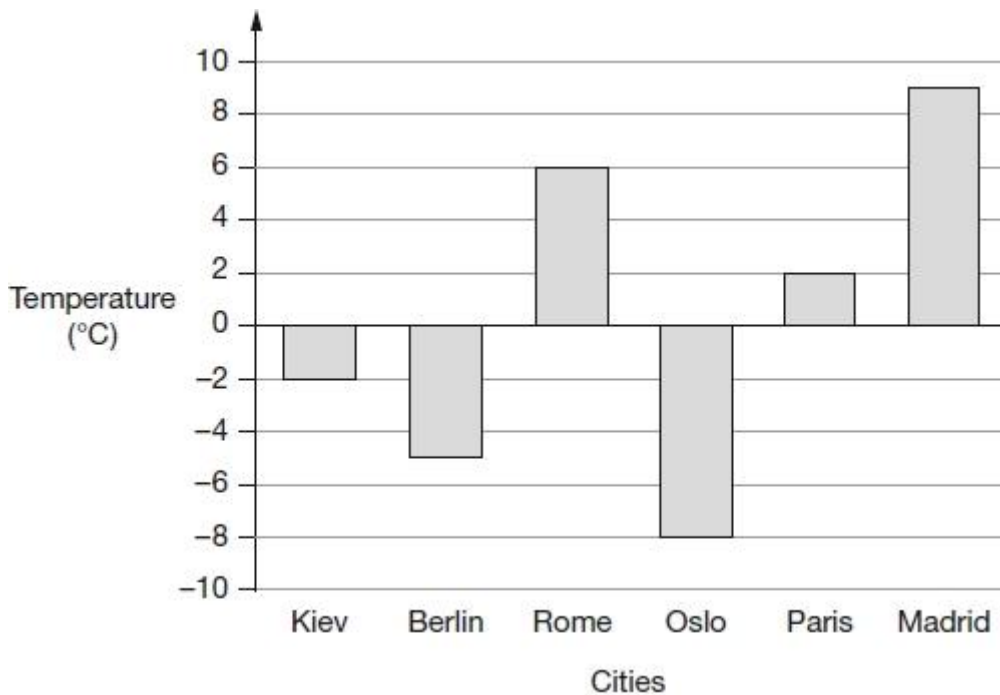
Show your method

£

2 marks

Q14.

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

Mark schemes

Q1.

4 written in the middle row box

and

800 written in the bottom right-hand box

Both numbers must be correct for the award of the mark.

[1]

Q2.

7

[1]

Q3.

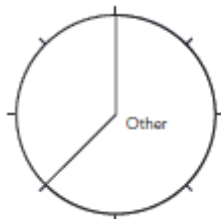
Divides the pie chart into two correct sectors and shades/labels correctly, eg

•



Accept unambiguous indication of shading/labelling, eg

•



! Given key ignored

Condone incorrect shading provided their labelling is unambiguous

eg, accept

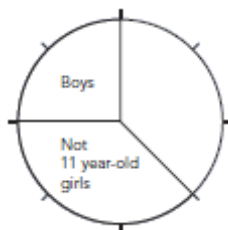
•



! Additional sectors shown

Ignore provided the sector(s) for 11 year-old girls are clearly indicated

eg, accept



[1]

Q4.

Answer in the range 61 to 69 inclusive.

[1]

Q5.

2,250

Do not accept $2000\frac{1}{4}$ *OR* $2\frac{1}{4}$ *OR* 2.25

[1]

Q6.

Diagram completed as shown:

	multiples of 9	not multiples of 9
even	72 54	56 84
not even	63 45	49 75

Accept recognisable misspellings.

Accept 'odd' for 'not even'.

Accept alternative unambiguous indications, eg lines drawn from the labels to the appropriate parts of the diagram.

[1]

Q7.

Gives a correct explanation which demonstrates how the graph shows two children could be taller than Alfie, eg:

- One person from the class is 160-169cm. But someone as well as this person could be taller than Alfie. 2 people range from 150-159 cm, the other person could be 154, 155, etc

Minimally acceptable explanation, eg:

- *It could be 1.64, 1.56, Alfie*
- *It depends on how tall the other person in his height group is*
- *There could be someone between 150-159 cm*

who is taller than Alfie

! Condone incorrect use of boundary values, eg:

- One child is in the range 160 cm–169 cm.
Don't know how tall the other child
between 150 cm and 159 cm is

Do not accept incomplete or incorrect explanation, eg:

- There is 1 child in the range 150 cm-159 cm taller than Alfie
- There could be two children taller than Alfie

[1]

Q8.

Gives a correct description that indicates the delivery cost is constant, eg:

- The delivery cost is always £5
- The cost is always £5 no matter how much the toy costs
- Delivery stays the same as the cost of toy increases

Accept minimally acceptable explanation, eg:

- It is £5

Accept omission of the actual delivery cost, eg:

- It always costs the same
- The cost is the same
- The cost of the toy does not affect the delivery cost

! Condone correct response with the pound sign omitted, eg:

- It is always 5

! Condone explanations which refer to toys costing up to £20

Do not accept incomplete or ambiguous explanation, eg:

- They are equal amounts

[1]

Q9.

5

Do not accept 300 (minutes).

[1]

Q10.

(a) £7

Accept an answer in the range £6.75 to £7.25 inclusive.

1

(b) 4

Do not accept a list of classes.

1

[2]

Q11.

- (a) February and April in either order.

*Accept alternative unambiguous indications, e.g. F and A.***Do not** accept the amounts collected in February and April, i.e. £55 and £65

1

- (b) £80

1

[2]**Q12.**Award **TWO** marks for three boxes completed correctly, e.g:

	multiple of 5	not a multiple of 5
multiple of 3	30	3, 6, 9 etc
not a multiple of 3	5, 10, 20 etc	1, 2, 4, 7 etc

If the answer is incorrect, award **ONE** mark for at least two boxes completed correctly.*Accept more than one correct multiple in any box.***Do not** accept any box containing a correct multiple and an incorrect number.

Up to 2

[2]**Q13.**

- (a) £3.48

1

- (b) Award
- TWO**
- marks for the correct answer of £1.10

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:

- $£1.80 + 30p = £2.10$

$$60p + 40p = £1.00$$

$$£2.10 - £1.00 = \text{wrong answer}$$

*Accept for **ONE** mark £110 **OR** £110p as evidence of appropriate working.**Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2

[3]

Q14.

(a) Paris

1

(b) 3

Do not accept -3.

1

[2]