Q1.

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

Q2. The table shows the cost of coach tickets to different cities.

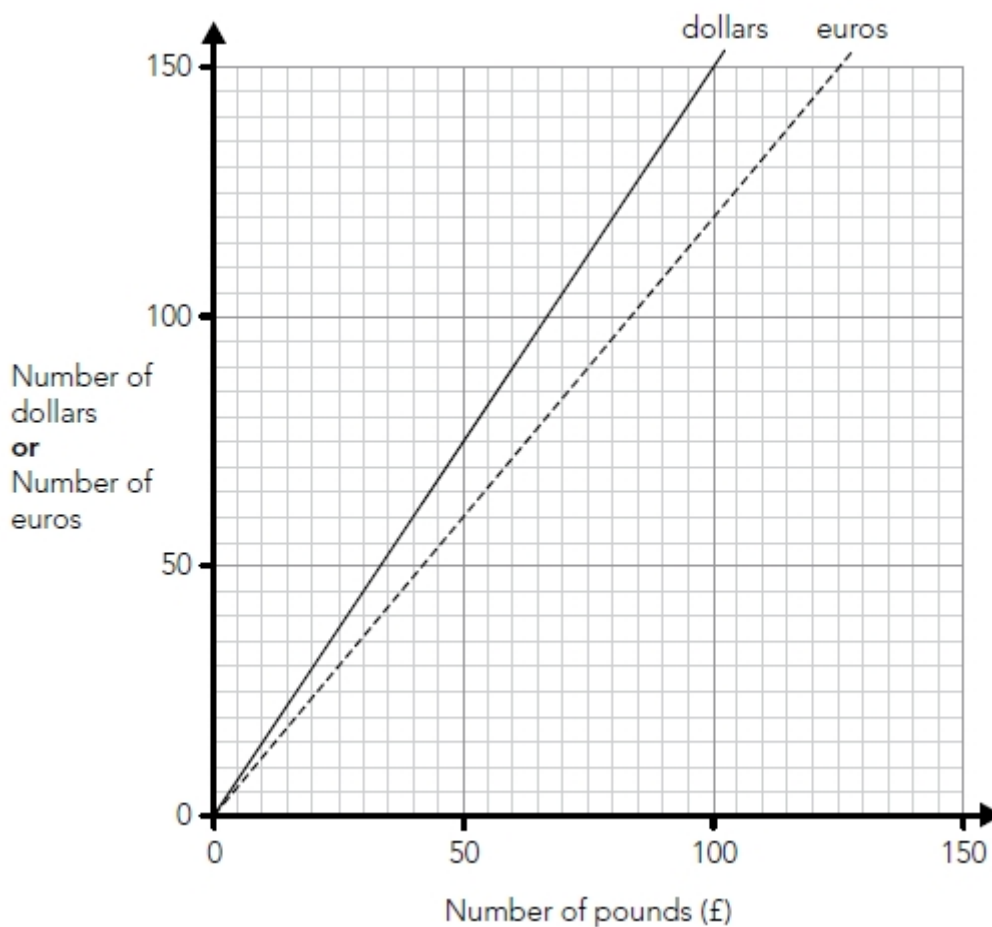|		Hull	York	Leeds
Adult	single	£12.50	£15.60	£10.25
	return	£23.75	£28.50	£19.30
Child	single	£8.50	£10.80	£8.25
	return	£14.90	£17.90	£14.75

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?

£

Q3.

Nik uses this graph to change between pounds (£), dollars and euros.

Use the graph to work out the missing numbers below.
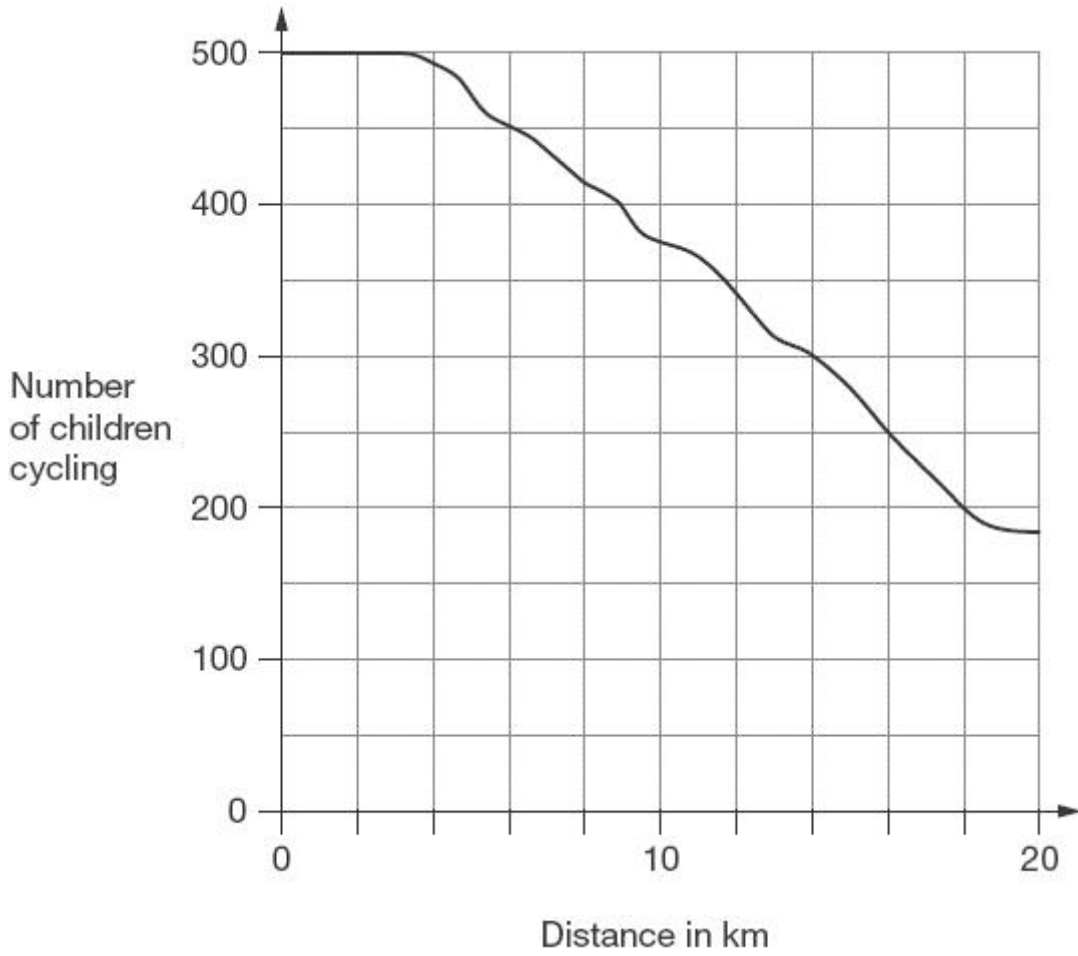
The first one is done for you.

£70	is about the same as	84 euros

£70	is about the same as	_____dollars

120 dollars	is about the same as	£_____

120 euros	is about the same as	_____dollars

2 marks

Q4.

500 children started a 20 kilometre sponsored cycle ride.

This graph shows how far they cycled.

At what distance were exactly half of the children still cycling?

	km

1 mark

Estimate how many children completed the 20 kilometre cycle ride.

1 mark

Q5.

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.**
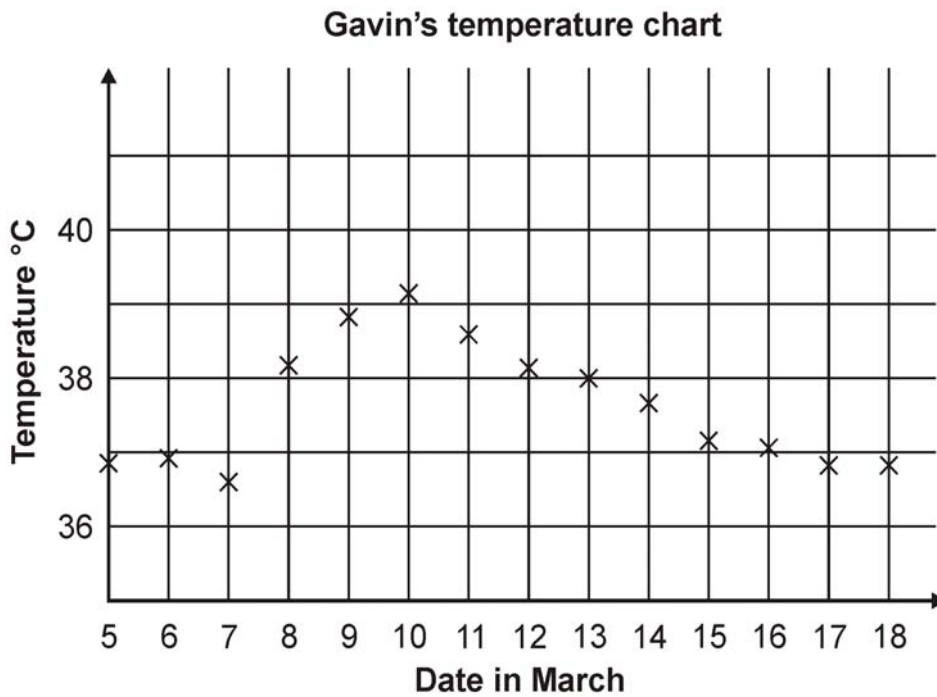
How many **kilometres** does he travel?

Show your method

	km

2 marks

Q6.

Gavin was ill in March.

This is his temperature chart.

Gavin's temperature chart

For how many days was his temperature marked as **more than 37°C**?

1 mark

Which **date** showed the largest **change in temperature** from the day before?

1 mark

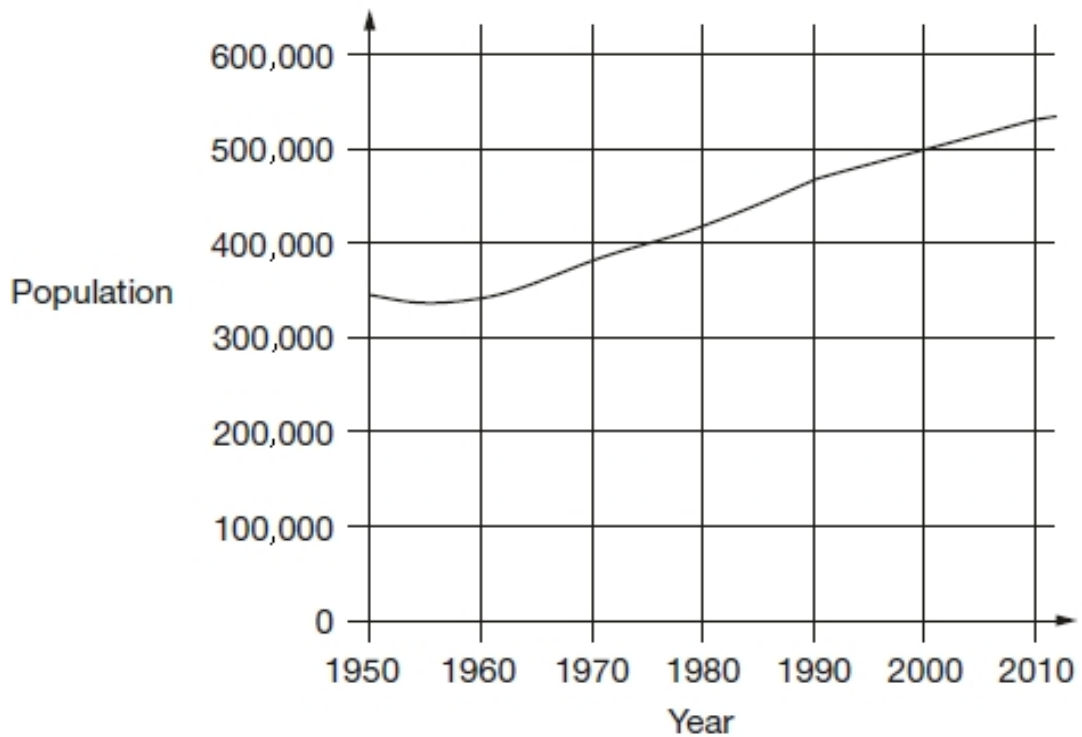Estimate Gavin's **highest** temperature shown on the graph.

Give your answer to **1 decimal place.**

°C

1 mark

Q7.

This chart shows the population of Cornwall from 1950 to 2010.

Look at the chart.

In which year did the population first reach 400,000?

1 mark

How much did the population increase from 1950 to 2000?

1 mark

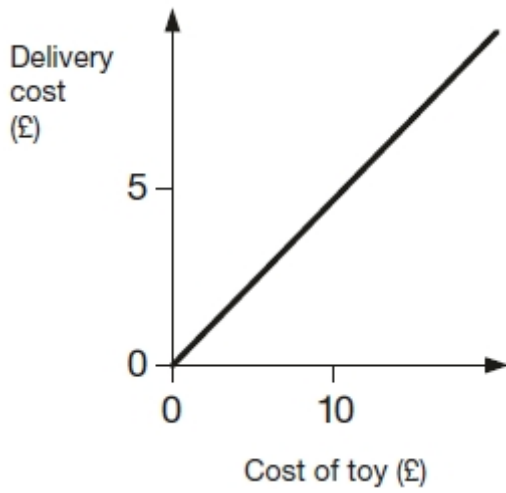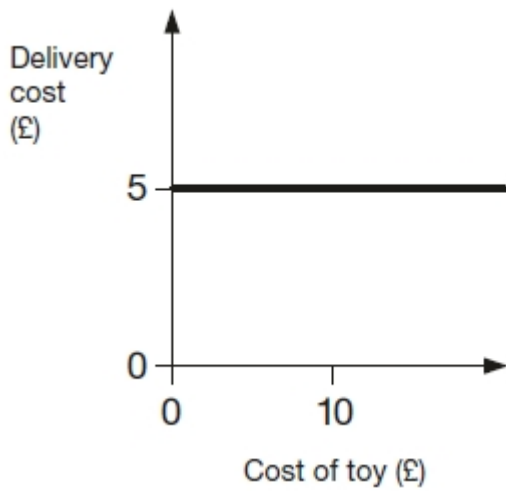What was the population of Cornwall in 2010?

1 mark

Q8.

Two companies sell toys online. They charge to deliver.

Describe the delivery cost of the second company.

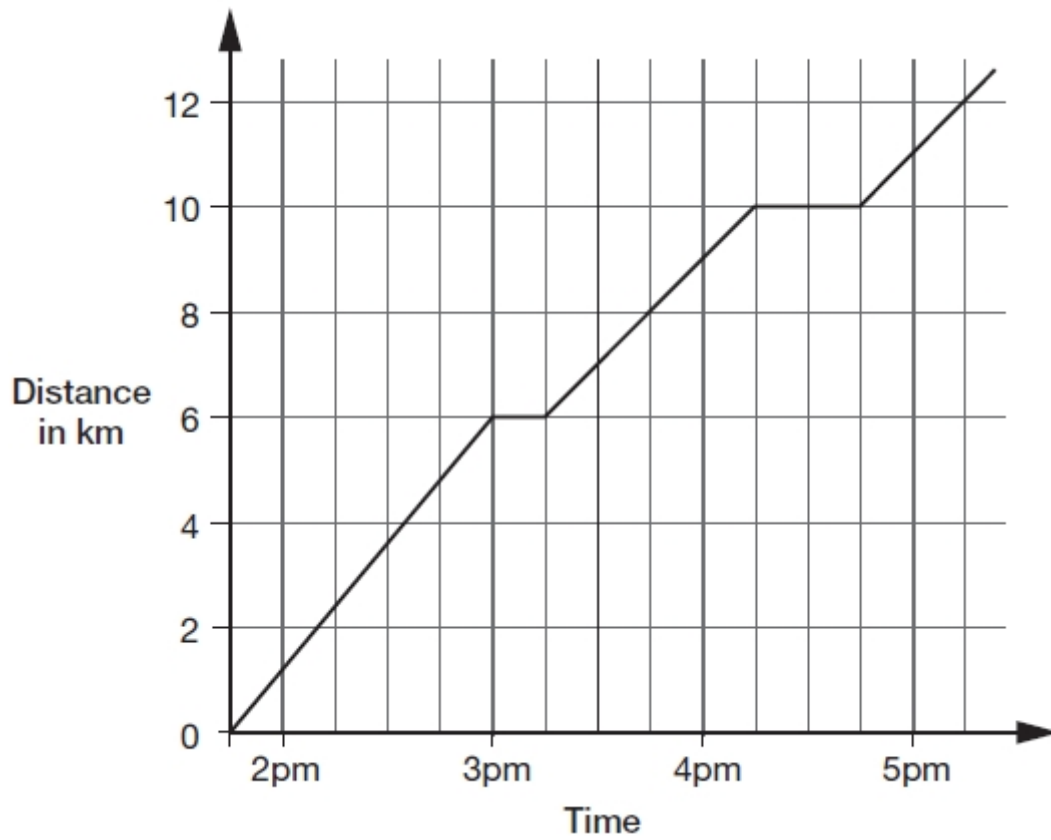The first company is done for you.

The more a toy costs, the more _____

the delivery costs. _____

Q9.

This graph shows the distance Alfie and Chen walked in an afternoon. They started at 1:45pm and had two breaks.

How many kilometres did they walk **between** the first and second breaks?

km

At what time did Alfie and Chen start their second break?

1 mark

Mark schemes

Q1.

    (a)   Teri

             Accept recognisable misspellings.
             Do not *accept 16.8*

                         1

    (b)   5

                         1

                         [2]

Q2.

    (a)   £64.30

             Accept £64.30p ***OR*** *£64 30*
             Do not *accept £6430* ***OR*** *£6430p* ***OR*** *£64.3*

                         1

    (b)   £4.50

             Accept £4.50p ***OR*** *£4 50*
             Do not *accept £450* ***OR*** *£450p* ***OR*** *£4.5*
             If the final '0' is missing from both answers, ie answers given
             are £64.3 and £4.5 respectively, award ***ONE*** *mark only in*
             (b).

                         1

                         [2]

Q3.

    105 ± 1

    then

    80 ± 1

                           1

    150 ± 1

                           1
                           U1

                         [2]

Q4.

    (a)   16

                         1

    (b)   A whole number in the range 180 to 190 inclusive

                         1

                         [2]

Q5.

(a) 298

1

(b) Award **TWO** marks for the correct answer of 513

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

- 334 + 179 **OR** 179 + 334
  Both the numbers must be correct.

Up to 2

[3]

Q6.

(a) 9

1

(b) 8th of March

Accept 8
Accept '7th – 8th' or similar.
Do not *accept 7th.*

1

(c) 39.1 **OR** 39.2

1

[3]

Q7.

(a) 1974 **OR** 1975 **OR** 1976

1

(b) A whole number answer in the range 130 000 to 180 000 **inclusive**.

1

(c) A whole number answer in the range 510 000 to 550 000 **exclusive**.
Do not *accept 510 000* **OR** *550 000*

1

[3]

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.

(a) 4 km

1

(b) 4:15pm

The answer is a specific time

1

[2]