

Q1.

Jack chose a number.

He multiplied the number by 7

Then he added 85

His answer was 953

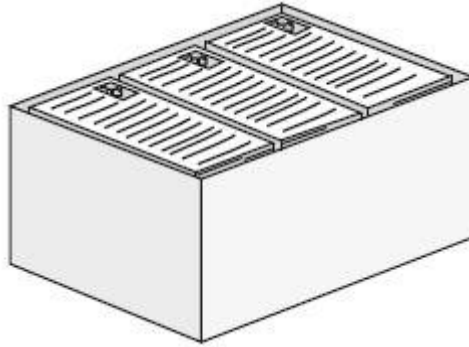
What number did Jack choose?

Show your method

The form consists of a large grid of 20 columns and 10 rows. On the left side, there is a rounded rectangular box containing the text "Show your method". On the right side of the grid, there is a smaller, empty rectangular box with a black border, spanning 6 columns and 2 rows.

2 marks

Q2.



There are 2,400 leaflets in a box.

William and Ally take 450 leaflets each.

Adam and Chen share the rest of the leaflets equally.

How many leaflets does Adam get?

Show your method

2 marks

Q3.

Write in the missing number.

$$8.5 + 14.7 = 10.2 + \boxed{}$$

1 mark

Q4.

Seb saved up for a new skateboard that cost £40



The table shows how much money he saved each week.

Week number	1	2	3	4	5	6	7	8	9	10
Amount saved	£5	£4	£2	£4	£3	£4	£6	£4	£3	£5

In which week did Seb reach **half** the amount he needed for the skateboard?

Week

1 mark

If Seb had saved an extra £1 each week, in which week would he have reached his target of £40?

Week

1 mark

Q5.

Write numbers in the boxes to make this calculation correct.

$$50 - \boxed{} = \boxed{} + 10$$

1 mark

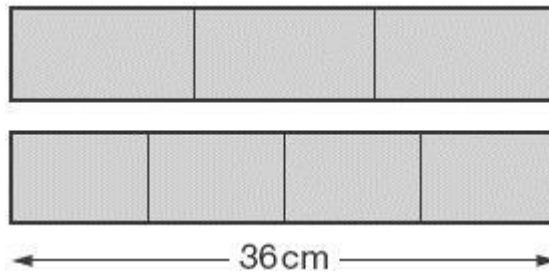
Q7.

Joe has two strips of card.

Each strip is 36 centimetres long.

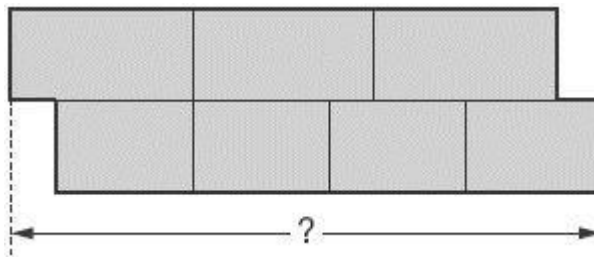
One strip is divided into three equal parts.

The other strip is divided into four equal parts.



Not actual size

Joe uses the two strips to make this shape.



What is the total length of Joe's shape?

Show your method

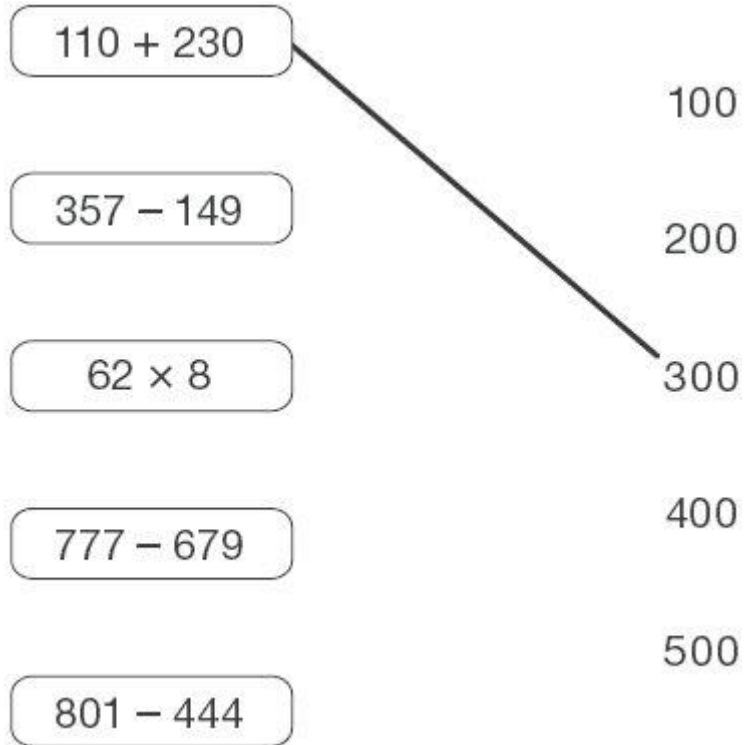
A large grid for showing the method. A small box on the right side of the grid is labeled "cm".

2 marks

Q8.

Join each of these calculations to the number that is **nearest** to the correct answer.

One has been done for you.



2 marks

Q9.

A shop sells food for birds.



Lara has £10 to spend on peanuts.

How many bags of peanuts can she get for £10?

1 mark

Amir has £20

He wants to buy a bird-feeder and 4 bags of bird seed.

How much **more** money does he need?

Show your method		
		£

2 marks

Q10.

Write what the numbers in the boxes could be.

$$10 \times \boxed{} = \boxed{} - 10$$

1 mark

Q11.

The signs are missing from these number sentences.

Write in the missing signs, **+** **-** **×** or **÷**

The first has been done for you.

$$6 \text{ (} \times \text{)} 5 = 40 \text{ (} - \text{)} 10$$

$$20 \text{ (} \text{)} 8 = 4 \text{ (} \text{)} 7$$

1 mark

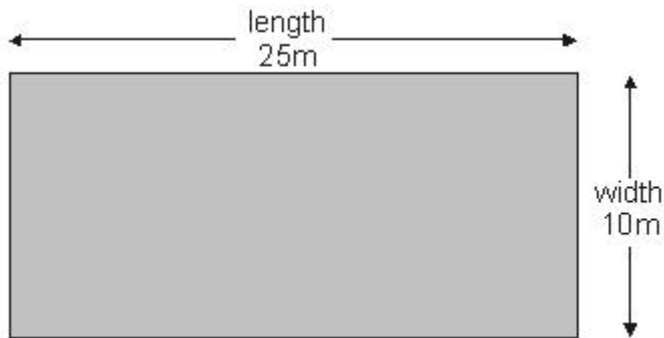
$$21 \text{ (} \text{)} 3 = 15 \text{ (} \text{)} 8$$

1 mark

Q12.



A rectangular swimming pool is 25 metres long and 10 metres wide.



David swims **5 lengths**.

Rosie swims **12 widths**.

How much **further** does David swim than Rosie?

Show your method

metres

Q13.

Josh thinks of a number.



He adds 4

He multiplies his result by 3

Then he takes away 9

His final answer is 90

What number did Josh start with?

1 mark

Q14. Asim and Mike both buy **12** cans of lemonade.



pack of 4 cans
£1.20

Asim buys 3 packs of 4 cans.



pack of 6 cans
£1.70

Mike buys 2 packs of 6 cans.

Mike says to Asim,

'You paid 50p more than me'.

Is Mike correct?

Circle **Yes** or **No**.

Yes / No

Explain how you know.

A large, empty, cloud-shaped outline with a scalloped border, intended for the student to write their explanation.

Q15. Two children take part in a sponsored silence.



Laura

'I kept quiet from 10:30 to 10:35 in the morning. I got £3.42 a minute.'



Carl



'I kept quiet for half an hour. I got 35p a minute.'

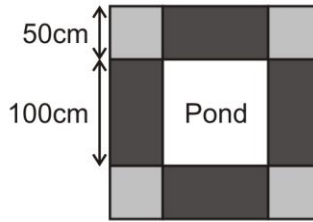
How much money did each child get?

Laura	£ <input type="text"/>
Carl	£ <input type="text"/>

2 marks

Q16. Mr Singh buys paving slabs to go around his pond.

PAVING SLABS	
£1.95 each	Square slabs 50cm by 50cm
	
£3.50 each	Rectangular slabs 100cm by 50cm
	



He buys 4 rectangular slabs and 4 square slabs.

What is the total cost of the slabs he buys?

Show your method

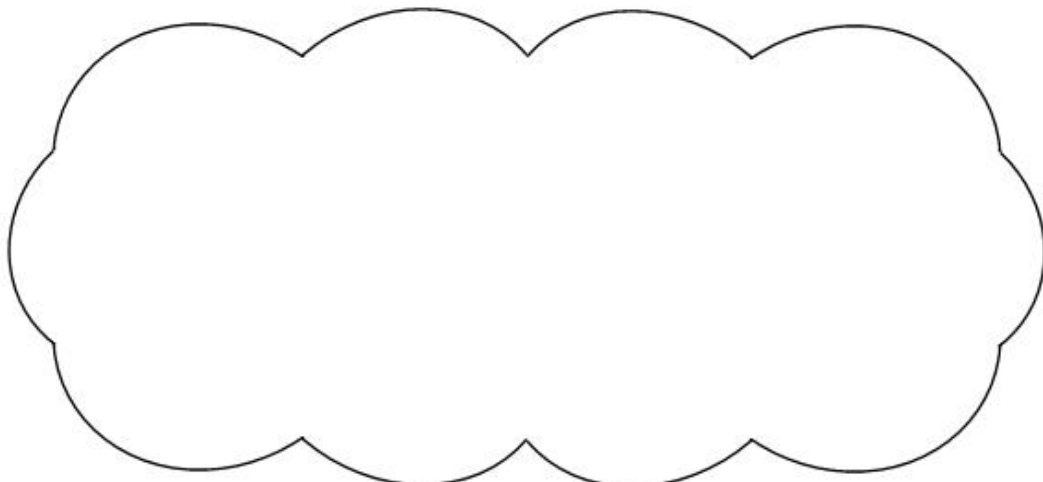
£

2 marks

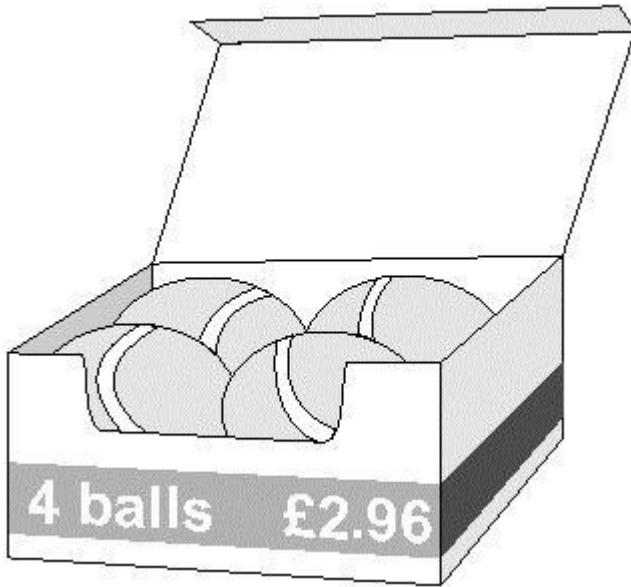
Mr Singh says,

'It would cost more to use square slabs all the way round'.

Explain why he is correct.



Q17.



A box of four balls costs **£2.96**

How much does each ball cost?

1 mark

Dean and Alex buy **3 boxes** of balls between them.

Dean pays **£4.50**

How much must Alex pay?

Show your method																				

Q18.



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

Q20.

Tom, Amy and Helen want to go on a boat trip.



There are three boats.

<p>Lark</p> <p>50 minute trip</p> <p>Tickets £2.75 each</p>	<p>Heron</p> <p>70 minute trip</p> <p>Tickets £3.50 each</p>	<p>Kestrel</p> <p>90 minute trip</p> <p>Tickets £4.20 each</p>
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How much does it cost altogether for **three** people to go on the **Lark**?

£

1 mark

Tom and Amy go on the **Heron**.

They leave at **2:15pm**.

At what **time** do they return?

pm

1 mark

Helen goes on the **Kestrel** and **gets back at 4:15pm**.

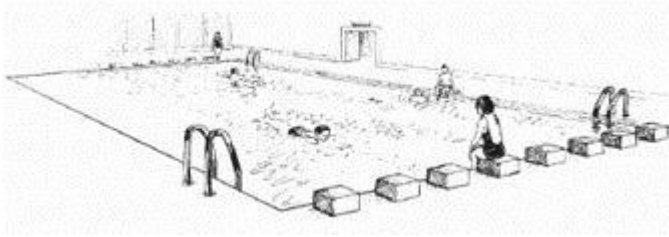
At what **time** did the boat leave?

pm

1 mark

Q21.

One length of a swimming pool is **25 metres**.



How many **lengths** are there in a **150 metre** race?

1 mark

Six children swim a 50 metre race.

Lane	Name	Time in seconds
1	Bryn	92.4
2	Craig	86.3
3	Fiona	90.4
4	Harun	85.1
5	Jody	84.7
6	Dean	89.2

Who finished **first**?

1 mark

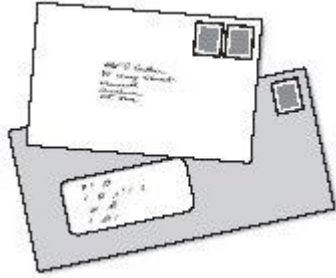
How many seconds faster was **Dean** than **Fiona**?

seconds

1 mark

Q22.

Two letters have a total weight of **120 grams**.



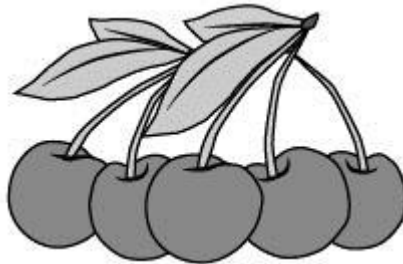
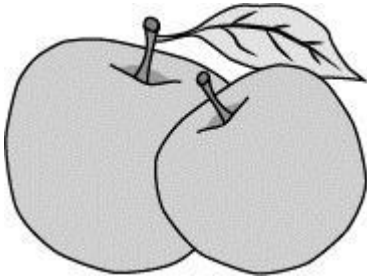
One letter weighs **twice as much** as the other.

Write the weight of the **heavier** letter.

1 mark

Q23.

On a school trip, every child is given 2 apples and 5 cherries.



Mrs Smith gives her group 12 apples.

How many cherries does she give her group?

1 mark

