


10 Minutes Written Maths-daily practice

Complete each set of short questions in no more than 10 minutes every day, for 10 days.

You may need to write down your calculations.

1. Write in the missing number.

 $50 \div \boxed{} = 2.5$


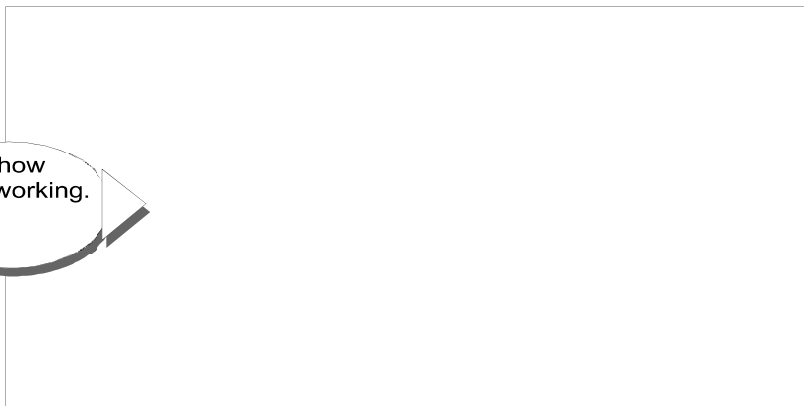
1 mark

2. Calculate $15.05 - 14.84$



1 mark

3. Calculate 509×24

Show your working.

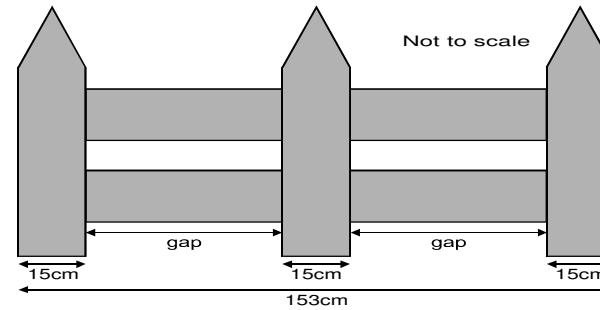
2 marks

4. Circle the two numbers which add up to 1.

0.1 0.65 0.99 0.45 0.35

1 mark

5. This fence has three posts, equally spaced.



Each post is 15 centimetres wide.

The length of the fence is 153 centimetres.

Calculate the length of one gap between two posts.

Show your method.



 cm

3

1. The rule for this sequence of numbers is 'add 3 each time'.

1 4 7 10 13 16 ...

The sequence continues in the same way.

Mary says,


'No matter how far you go there will never be a multiple of 3 in the sequence'.

Is she correct?

Circle Yes or No.

Yes / No

Explain how you know.



1 mark

2. n stands for a number.

Complete this table of values.

n	$5n - 2$
20	<input type="text"/>
<input type="text"/>	38

2mark

5

3. n stands for number.

Match the equivalent expressions.

One has been done for you.



n plus 5

2 less than n

n plus n

n^2

$2 - n$

$n + 5$

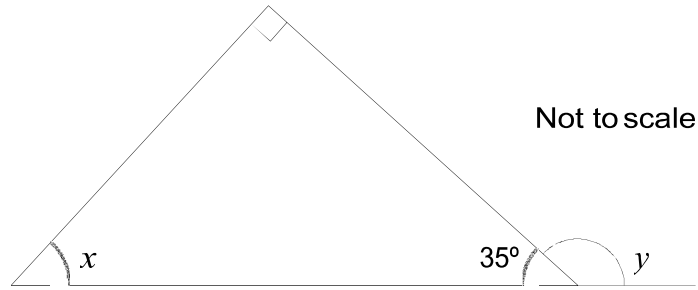
$2n$

$n - 2$

$n + 2$

2 marks

1. Look at this diagram.



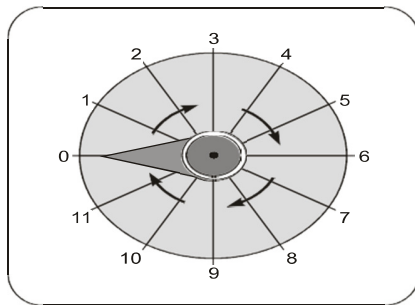
Calculate the size of angle x and angle y .


Do not use a protractor (angle measurer).

$X =$ ° 1 mark

$Y =$ ° 1 mark

2. Here is a dial.



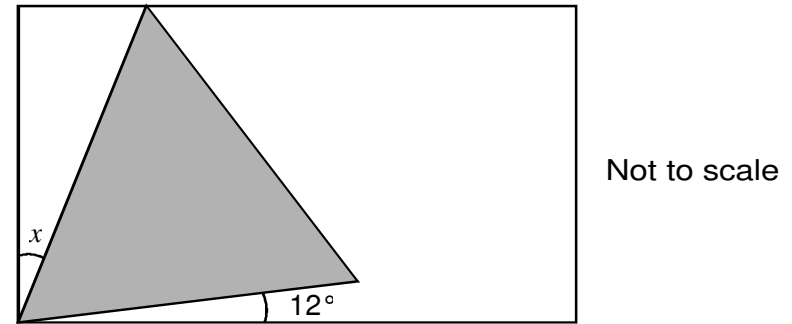


The pointer on this dial turns in a clockwise direction.
The pointer is at 0.

Which number does it point to after a turn of 270° ?


1 mark

3. Here is an equilateral triangle inside a rectangle.



Calculate the value of angle x .

Do not use a protractor (angle measurer).

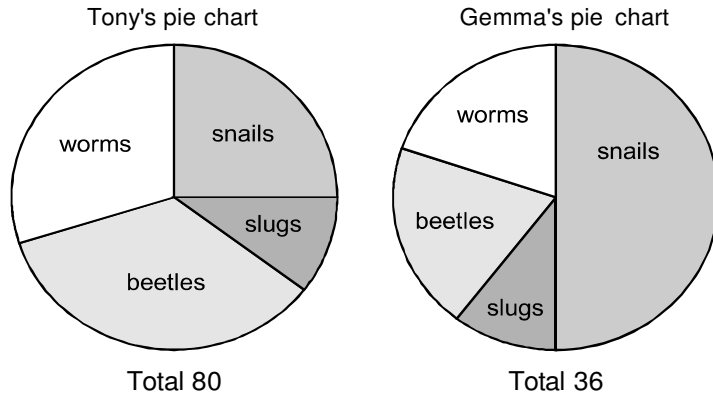
 Show your method.

°

2 marks

1. Tony and Gemma looked for snails, worms, slugs and beetles in their gardens.

They each made a pie chart of what they found.



Estimate the number of worms that Tony found.




1 mark

Who found more snails?

Circle Tony or Gemma.
Gemma

 Tony /

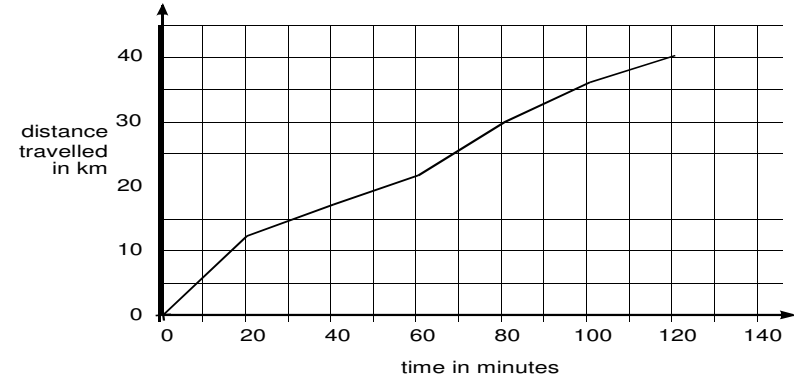
Explain how you know.



1 mark

2. Carol went on a 40-kilometre cycle ride.

This is a graph of how far she had gone at different times.



How many minutes did Carol take to travel the last 10 kilometres of the ride?

 minutes

1 mark

Use the graph to estimate the distance travelled in the first 20 minutes of the ride.


 km

1 mark

Carol says,

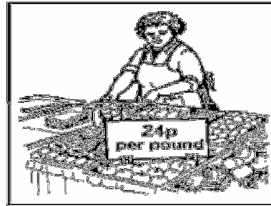
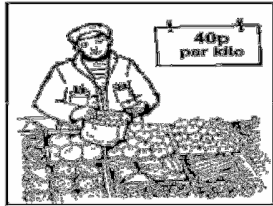
'I travelled further in the first hour than in the second hour'

Explain how the graph shows this.



1 mark

1.



Mr Green sells apples at 40p per kilogram.

Mrs Ball sells apples at 24p per pound.

Work out who sells the cheaper apples. Show how you worked it out.

1 mark

2. This map has a scale of 1 centimetre to 6 kilometres.



The road from Ridlington to Carborough measured on the map is 6.6cm long.

11

2. cont, What is the length of the road in kilometres?

km

2 marks

3. Cheddar cheese costs £7.50 for 1kg.

Marie buys 200 grams of cheddar cheese.

How much does she pay?

£

1 mark

Cream cheese costs £3.60 for 1kg.

Robbie buys a pot of cream cheese for 90p.

How many grams of cream cheese does he buy?

Show your method. →

grams

2 marks

1. Calculate 31.6×7



2. Circle the number closest in value to 0.1

 0.01 0.05 0.11 0.2 0.9

3. Calculate $8.6 - 3.75$



4. Use a calculator to work out $49.3 \times (2.06 + 8.5)$



1 mark

1 mark

1 mark

1 mark

5. Put a tick (✓) in the correct box for each calculation.

Use a calculator.

The first one has been done for you.

	less than 1000	equal to 1000	more than 1000
$8.9 \times 9.9 \times 11.9$	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
$(786 - 387) \div 0.41$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
$95.4 + (91 \times 9.95)$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
$12.5 \times (21.1 + 58.9)$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2 marks

6. Write in the missing numbers.

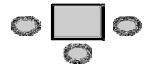
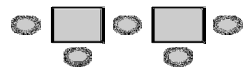
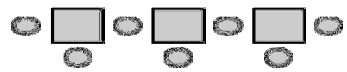
$$\boxed{} \div 21.7 = 37.5$$

1 mark

$$100 - (22.75 + 19.08) = \boxed{}$$


1 mark

1. Here is a sequence of patterns made from squares and circles.

	number of squares	number of circles
	1	3
	2	5
	3	7

The sequence continues in the same way.

Calculate how many squares there will be in the pattern which has 25 circles.

 Show your working.

2 marks

2. Write in the missing digit.

$$\square 92 \div 14 = 28$$

3. Write in the missing digits.

$$323 \times \square 7 = 1518 \square$$

1 mark

4. Sima thinks of a number.
She divides it by 12. Her answer is 26.
What is the number Sima thinks of?



1 mark

1. Julie says,

*'I added three odd numbers
and my answer was 50'*

Explain why Julie cannot be correct.



1 mark

2. A sequence of numbers starts at 11 and follows the rule

'double the last number and then subtract 3'

11 19 35 67 131 ...

The sequence continues.

The number 4099 is in the sequence.

Calculate the number which comes immediately before 4099 in the sequence.



Show your method.

2 marks

3. A sequence starts at 500 and 80 is subtracted each time.

500 420 340 ...

The sequence continues in the same way.

Write the first two numbers in the sequence which are less than zero.



2 marks

4. Carol has a rule for a sequence of numbers.

Her rule is

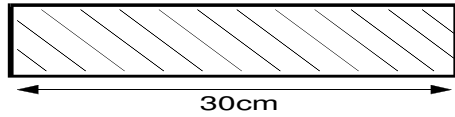
"The next number is the sum of the two previous numbers."

Use Carol's rule to write in the three missing numbers.

, , , 0, 1, 1, 2, 3, 5, 8, ...

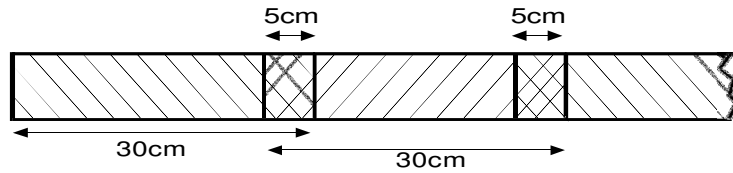
1 mark

1. Strips of paper are each 30 centimetres long.



Steve joins strips of paper together to make a streamer.

The strips overlap each other by 5cm.



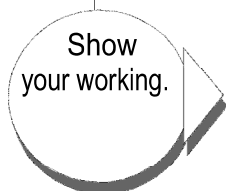
How long is a streamer made from only 2 strips?

 cm

1 mark

Sunita makes a streamer that is 280cm long.

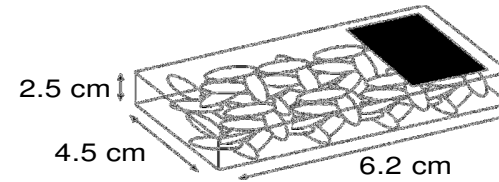
How many strips does she use?

 Show your working.

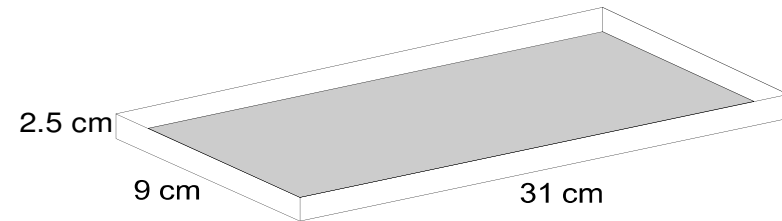
2marks

2marks

2. Boxes measure 2.5cm by 4.5cm by 6.2cm.



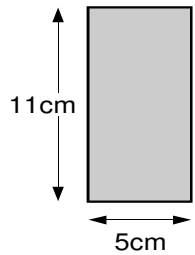
The shopkeeper puts them in a tray.



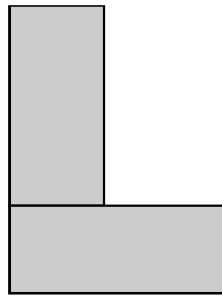
Work out the largest number of boxes which can lie flat in the tray.

2 marks


1. Liam has two rectangular tiles like this.



He makes this L shape.

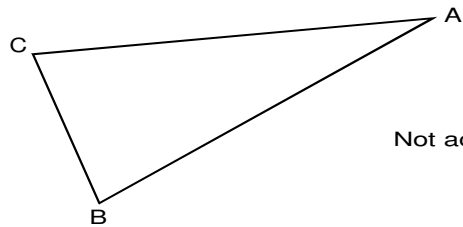


What is the perimeter of Liam's L shape?

 cm


1 mark

3. Triangle ABC is isosceles and has a perimeter of 20 centimetres. Sides AB and AC are each twice as long as BC.



Not actual size

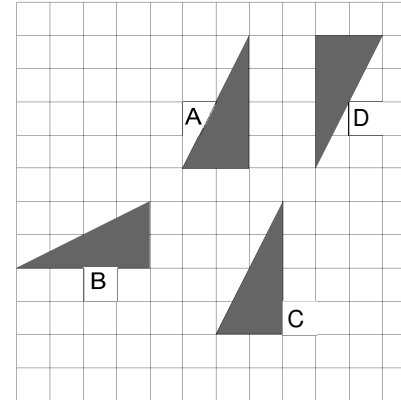
Calculate the length of the side BC. Do not use a ruler.

 Show your working.


cm

2marks

2.



Write the correct letter in this sentence.

 Shape is a reflection of shape A

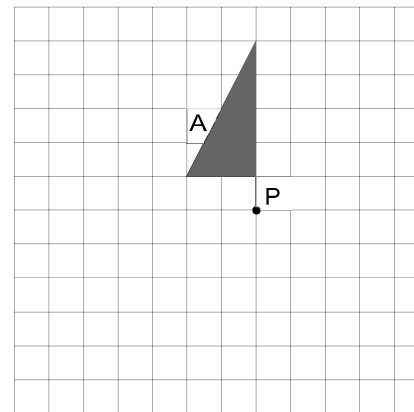
1 mark

Shape A is rotated 180° about the point P.

Draw shape A in its new position on the diagram below.

You may use tracing paper.

You may use an angle measurer.



2marks