Surname	
Other Names	
Candidate's Signature	

GCSE 9 - 1 Questions

Perimeter

Calculator Allowed

INSTRUCTIONS TO CANDIDATES

Write your name in the space provided.

Write your answers in the spaces provided in this question paper.

Answer ALL questions.

Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

1)	A rectangle has	length 6cm	and breadth 2 cm.	Calculate its	perimeter.
IJ	11 rectangle mas	icingui o cini	and breadin 2 cm.	Carculate Its	permieter.

Answer	cm	[1]	ĺ
Allswei	CIII	I	l

2) Calculate the perimeter of a rectangle measuring 10.1 cm by 8.3 cm.

Answer _____cm [1]

3)	What is the perimeter of a square that has an area of 64 cm ² ?	[2]

4)

5 cm

1 cm

Not drawn accurately

5 cm

1 cm

Calculate the perimeter of the shape shown.

6cm

Perimeter = _____[1]

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An 8cm by 3cm rectangle is placed on top of two 6cm by 3cm rectangles to make the shape shown in the diagram.

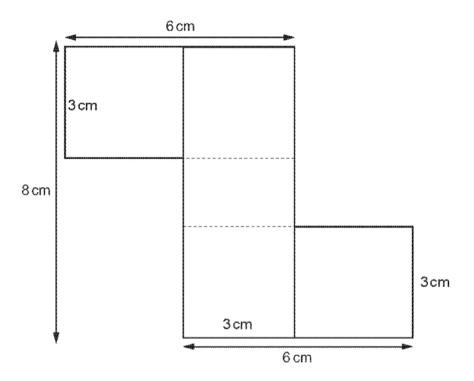
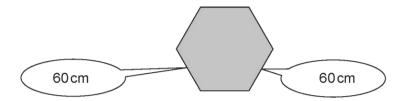


Diagram not drawn to scale

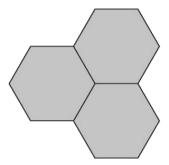
((a) Calculate the perimeter of the shape.	[3]
****		**********
6)	The part of the garden where Jim grows his potatoes is rectangular in shape. It has an area of 250 square metres and is 10 metres wide.	
	Jim needs to buy fencing to go around this part of the garden.	
	vvnat length of lengthg does he need to buy?	
	What length of fencing does he need to buy? State the units of your answer.	[5]
		[5]
		[5]
		[5]
		[5]

Rugs can be made in the shape of regular hexagons. Some rugs have a border put on the **outer** edges to stop the material from fraying.

The length of the border on each outer edge of the following rug is 60 cm.



Three of the above regular hexagonal rugs are stitched together to make a larger rug.



Eleven metres of edging have been bought.

How much edging will be left over after the border has been put on to the outer edge of the larger rug?

[3]

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8)	The area of a rectangle is $30 \mathrm{cm}^2$. Its length and width are whole numbers . Find the smallest possible perimeter of this rectangle.
	Perimeter = cm [4]
9)	Find the length and width of a rectangle with an area of 20 cm ² and a perimeter of 24 cm.
***	Length =

In this question, you will be assessed on the quality of your organisation, communication and accuracy in writing.

A square is made using four rods of equal length joined end to end.

10)	The	perimeter	of t	his	square	ic	72 cm	
10)	1116	permeter	OI L	1115	square	13	/ Z CIII.	

Three of these rods are now joined end to end to make an equilateral triangle.

You must show a	neter of this equilateral triangle? Il your working.	[3 + 2 OC
You will be asses	sed on the quality of your written communicatio	n in this question.
	[\neg
	⋖ 9cm —	▶
	Diagram not drawn to scale	
The area of this r Calculate the per	ectangle is 45 cm ² . imeter of the rectangle.	
You must show a	ll your working.	

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