Surname	
Other Names	
Candidate's Signature	

GCSE 9 - 1 Questions

Ratio 2

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.

Total	Marks	:
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1)	£180 is divided between Lisa, Mikey and Richard in the ratio 8:1:6 How much does each get?
	Answer Lisa £
	Mikey £
	Richard £ [3
2)	£8 500 is shared between Alice, Barbara and Carol in the ratio 10:9:6 respectively. Calculate the amount each one gets.
	Alice £
	Barbara £
	Carol £[3]

	Answer ° [3]
	Work out the sum of the two smaller angles.	
5)	The angles in a triangle are in the ratio of 4:5:6	
(d		
4)	Calculate the larger amount when £440 is divided in the ratio 5:6.	[2]
	Answer,	[2]
	How many votes and each candidate get:	
3)	The votes cast for each of the candidates were in the ratio 11:4 How many votes did each candidate get?	

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6)	Mark and Mandy share £50 in the ratio 2:3 If the sum of money was doubled, in what ratio should they s Mark still receives the same amount?	hare it so that		
	Answer	[3]		
7)	0-6kg of potatoes cost 54p. How much do these potatoes cost per kg?	[2]		

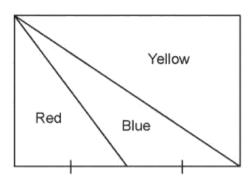
8)	A B ●	C 		
	Diagram not drawn to scale			
	ABC is a straight line, AB:BC is 3:8 and the length of $BC = 36 \text{cm}$. Calculate the length of AC .			

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	Two brothers, Gethin and David, share a sum of money in the ratio 2:7. David gets £30 more than Gethin. Calculate how much money the brothers share.	[4]
	A nacket contains cake mixture waighing 385 g	
10)	A packet contains cake mixture weighing 385g. The mixture is made up of only flour, sugar and raisins. The weight of the flour is weight of the sugar, and the weight of the sugar is twice the weight of the raisins.	twice the
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11) Mari is painting a rectangular logo. Her design is shown below.



Find the quantities of blue p			her logo.	[2]
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	***********************	***************************************		***********
4				***************************************
i		***************************************))	
***************************************	.,,			
	Blue paint	m	I	
	Yellow paint	m	I	

1	2)
1	4

Alan, Ben and Carwyn are three brothers. Alan has 3 children, Ben has 2 children and Carwyn has 1 child.

(a)	Alan, Ben and Carwyn's parents win £5700. They decide to share this money between Alan, Ben and Carwyn, in the r number of children that they each have. How much money does each brother receive? You must show all your working.	atio of the

		,

*******		4
(b)	Alan is happy with this suggestion. Carwyn argues that it is unfair and that the money should be divided equally be	etween the
	three brothers. Will this way of sharing the money affect Ben's share? Show your working.	[2]