

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 :

- 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]

- 3) In an election the total votes cast for two candidates was 54 585
The votes cast for each of the candidates were in the ratio 11:4
How many votes did each candidate get?

Answer _____ , _____ [2]

- 4) Calculate the larger amount when £440 is divided in the ratio 5:6. [2]

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- 5) The angles in a triangle are in the ratio of 4 : 5 : 6

Work out the sum of the two smaller angles.

Answer _____ ° [3]

- 6) Mark and Mandy share £50 in the ratio 2:3

If the sum of money was doubled, in what ratio should they share it so that Mark still receives the same amount?

Answer _____ [3]

- 7) 0.6kg of potatoes cost 54p.
How much do these potatoes cost per kg?

[2]

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- 8)



Diagram not drawn to scale

ABC is a straight line, $AB:BC$ is 3:8 and the length of $BC = 36$ cm.
Calculate the length of AC .

[3]

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- 9) 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]

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- 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 twice the weight of the sugar, and the weight of the sugar is twice the weight of the raisins.
Calculate the weight of flour, sugar and raisins in the packet. [4]

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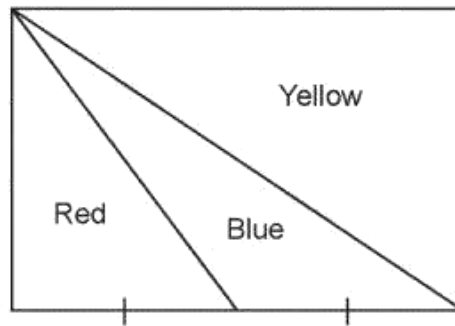
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Flour: g Sugar: g Raisins: g

11)

Mari is painting a rectangular logo.
Her design is shown below.



Mari needs 380 ml of red paint for her logo.

Find the quantities of blue paint and yellow paint she needs for her logo.

[2]

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Blue paint ml

Yellow paint ml

