GCSE Exam Questions

Ratio to Percentage | Ratio & Proportion

GCSE Exam Questions: Ratio to Percentage

1)   There is £80 in a pot which is shared between three people.

Alex gets £20, Marcus gets £32 and Ben gets £28

What ratio of the money do they each get?

Give the ratio as percentages.

(2 marks)

2)   There are only blue, yellow and green counters in a bag.

The number of blue, yellow and green counters are in the ratio 4 : 9 : 7

Work out what percentage of the counters in the bag are green.

(2 marks)

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GCSE Exam Questions: Ratio to Percentage

3)   Lewis, Maisie and Oscar each earn the same salary each month.

Lewis saves 26% of his salary and spends the rest.

Maisie spends $\frac{3}{5}$ of her salary and saves the rest.

The amount of salary Oscar saves to the amount he spends is 3 : 7

Work out who saves the most each month.

You must show how you get your answer.

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(3 marks)

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GCSE Exam Questions: Ratio to Percentage Answers

	Question	Answer	Marks
1)	There is £80 in a pot which is shared between three people. Alex gets £20, Marcus gets £32 and Ben gets £28 What ratio of the money do they each get? Give the ratio as percentages.	$\frac{20}{80} : \frac{32}{80} : \frac{28}{80}$ 25% : 40% : 35%	**(1)** **(1)**
2)	There are only blue, yellow and green counters in a bag. The number of blue, the number of yellow and the number of green counters are in the ratio 4 : 9 : 7. Work out what percentage of the counters in the bag are green.	$4 + 9 + 7 = 20$ or $\frac{7}{20}$ 20% : 45% : 35% 35% are green	**(1)** **(1)**
3)	Lewis, Maisie and Oscar each earn the same salary each month. Lewis saves 26% of his salary and spends the rest. Maisie spends $\frac{3}{5}$ of her salary and saves the rest. The amount of salary Oscar saves to the amount he spends is 3 : 7 Work out who saves the most each month. You must show how you get your answer.	$\frac{3}{5} = 60\%$ (Maisie saves 40%) $\frac{3}{10} = 30\%$ (Oscar saves 30%) Maisie saves the most each month	**(1)** **(1)** **(1)**

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