

## RATIO

Name:

Assessment Criteria: Divide a quantity into two or more parts and solve problems involving ratio and direct proportion

*Please show how you worked out each of these questions - no method, no marks!*

1a) Divide these amounts in the ratio 2:3 for Ann and Bob respectively.

i) £25

Ann gets £.....

Bob gets £.....

ii) £100

Ann gets £.....

Bob gets £.....

b) Explain why the amounts worked out as whole numbers

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2. £120 was divided up and given to Alice, Ben and Charlie in the ratio 2:5:8. How much did each of them receive?

Alice: £\_\_\_\_\_

Ben: £\_\_\_\_\_

Charlie: £\_\_\_\_\_

3. A compound requires metals A, B and C in the ratio 1:3:4. If the total amount needed is 40 kg, calculate the amount of each metal required.

A: \_\_\_\_kg

B: \_\_\_\_kg

C: \_\_\_\_kg

<p>4. If 8 identical books cost £24, what is the cost of five books?</p>          <p>5. Find the cost of 7 pens if 3 cost 45p.</p>	
Overall, I think my success level is:	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>Low</span> <span>High</span> </div> <div style="display: flex; justify-content: center; gap: 10px;"> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> </div>

Q	RATIO	😊	☹️
	I can divide an amount into parts using a ratio		
	I can solve proportion problems using the unitary method		
	<i>I can solve problems and carry through substantial tasks by breaking them into smaller, more manageable tasks, using a range of efficient techniques, methods and resources, including ICT; give solutions to an appropriate degree of accuracy</i>		

I need to practise ...