3.5 Ratio: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A recipe uses sugar and flour in the ratio 1:4. How many grams of flour are needed for 75 g of sugar?

(Total for Question 1 is 2 marks)

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2 The ratio of fiction to non-fiction in a box is 9:2. There are 10 non-fiction.
How many fiction are there?

(Total for Question 2 is 2 marks)

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3 The angles of a triangle are in the ratio 2:3:5. Work out the size of the largest angle.

(Total for Question 3 is 3 marks)

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4 Write the ratio 6 : 15 in the form 1 : n.

(Total for Question 4 is 2 marks)

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Mark scheme · 3.5 Ratio: 10-minute Pack

Question 1

Use unitary method: 75 g sugar corresponds to 75 x 4 = 300 g flour (method shown)	**M1**
300 g cao	**A1**

Answer: 300 g

Question 2

finds the value of one part (5)	**M1**
45	**A1**

Answer: 45

Question 3

Method to find size per part: 180 divided by (2+3+5)=180/10=18 oe	**M1**
Multiply 18 by 5 to get largest angle (method)	**M1**
90 degrees cao	**A1**

Answer: 90 degrees

Question 4

divides both parts of the ratio by 6 (oe)	**M1**
1 : 2.5 (oe)	**A1**

Answer: 1 : 2.5

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