5.1 Writing a Ratio as a Fraction or Linear Function: 10-minute Pack

Total Marks

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A recipe uses ingredients in the ratio 4:1 (flour : sugar). What fraction of the mixture is sugar?

(Total for Question 1 is 1 mark)

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2 Write the ratio 6:9 as a fraction in simplest form.

(Total for Question 2 is 2 marks)

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3 On a school trip, the ratio of adults to children on a coach is 4:9.

(a) Write the number of adults as a fraction of the number of children. **(1)**

.....

(b) Write the number of children as a fraction of the total number of people on the coach. **(1)**

.....

(Total for Question 3 is 2 marks)

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4 A paint mix uses red : white in the ratio 7:3. Work out the fraction of the mix that is red and give the answer as a percentage.

(Total for Question 4 is 3 marks)

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Mark scheme · 5.1 Writing a Ratio as a Fraction or Linear Function: 10-minute Pack

Question 1

1/5 cao	**B1**

Answer: 1/5

Question 2

shows dividing both terms by common factor 3 or equivalent method	**M1**
2/3 cao	**A1**

Answer: 2/3

Question 3

(a) 4/9 oe	**B1**

(a) Answer: 4/9

(b) 9/13 oe	**B1**

(b) Answer: 9/13

Question 4

writes fraction 7/(7+3) or 7/10	**M1**
7/10 cao	**A1**
70% cao	**A1**

Answer: 7/10 and 70%

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