2.4 Fractions of an Amount: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Which of the following is equal to 3/4 of 24?

- ☐ A) 6
- ☐ B) 8
- ☐ C) 18
- ☐ D) 20

(Total for Question 1 is 1 mark)

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2 Priya has £45. She puts 1/5 of her money into a savings account. Work out how much money Priya puts into her savings account.

(Total for Question 2 is 1 mark)

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3 There are 30 students in Miss Okafor's class. 2/5 of the students study French.

(a) Work out the number of students who study French. **(2)**

.....

(b) The rest of the students study Spanish. Write down the fraction of the class that studies Spanish, giving your answer in its simplest form. **(2)**

.....

(Total for Question 3 is 4 marks)

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4 The diagram shows a rectangle divided into 10 equal parts. 7 of the parts are shaded grey. The rectangle represents all of the 200 songs on Ben's playlist.



Rectangle represents all 200 songs on Ben's playlist

(a) Write down the fraction of the rectangle that is shaded, giving your answer in its simplest form. **(1)**

.....

(b) Work out the number of songs on the playlist that are represented by the shaded part of the diagram. **(2)**

.....

(Total for Question 4 is 3 marks)

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Mark scheme · 2.4 Fractions of an Amount: 10-minute Pack

Question 1

C) 18 **B1**

Answer: C) 18

Question 2

9 (pounds) cao **B1**

Answer: £9

Question 3

(a) 30 / 5 = 6 oe (dividing by the denominator) **M1**

(a) 12 cao **A1**

(a) Answer: 12

(b) 30 - 12 = 18 students study Spanish, ft from part (a), giving 18/30 oe **M1**

(b) 3/5 cao **A1**

(b) Answer: 3/5

Question 4

(a) 7/10 oe **B1**

(a) Answer: 7/10

(b) 200 / 10 = 20 oe (dividing by the denominator) **M1**

(b) 140 cao **A1**

(b) Answer: 140

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