2.72 Fractions of Amounts and Remainders: 10-minute Pack

Total Marks

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 What is 2/5 of 25?

- ☐ A) 5
- ☐ B) 8
- ☐ C) 10
- ☐ D) 12
- ☐ E) 15

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2 Tom has £40. Tom spends 1/4 of it. How much does Tom spend?

- ☐ A) £10
- ☐ B) £160
- ☐ C) £9
- ☐ D) £40
- ☐ E) £30

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3 Priya has £70. Priya spends 2/5 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- ☐ A) £21.00
- ☐ B) £49.00
- ☐ C) £7.00
- ☐ D) £20.00
- ☐ E) £22.00

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4 A cycle route is 270 km long. Aisha rides 1/10 of the route. How far is that?

- [ ] A) 270 km
- [ ] B) 243 km
- [ ] C) 2,700 km
- [ ] D) 27 km
- [ ] E) 28 km

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5 Mei has £100. Mei spends 3/4 of it on a game, then 2/5 of the money left on a snack. How much money is left?

- [ ] A) £14.00
- [ ] B) £85.00
- [ ] C) £15.00
- [ ] D) £25.00
- [ ] E) £-15.00

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6 1/4 of the money in a collection tin is £14. How much money is in the tin altogether?

- [ ] A) £18.00
- [ ] B) £3.50
- [ ] C) £14.00
- [ ] D) £57.00
- [ ] E) £56.00

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7 Mei has £150. Mei spends 7/10 of it on a game, then 2/3 of the money left on a snack. How much money is left?

- [ ] A) £14.00
- [ ] B) £15.00
- [ ] C) £30.00
- [ ] D) £135.00
- [ ] E) £-55.00

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8 Ben has read 1/6 of a book, which is 4 pages. How many pages are in the book?

- ☐ A) 23
- ☐ B) 10
- ☐ C) 25
- ☐ D) 24
- ☐ E) 4

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9 A coach makes 5 trips. On each trip it is 4/5 full. Altogether 240 passengers are carried. How many seats does the coach have?

(3)

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Mark scheme · 2.72 Fractions of Amounts and Remainders: 10-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

correct option C (10) cao **B1**

Answer: C) 10 (2/5 of 25 = 2 x 5 = 10)

Question 2

correct option A (£10) cao; 40 / 4 x 1 **B1**

Answer: A) £10

Question 3

correct option A (£21.00) cao **B1**

Answer: A) £21.00

Question 4

correct option D (27 km) cao; 270 / 10 x 1 **B1**

Answer: D) 27 km

Question 5

correct option C (£15.00) cao **B1**

Answer: C) £15.00

Question 6

correct option E (£56.00) cao; 14 / 1 = 14, x 4 **B1**

Answer: E) £56.00

Question 7

correct option B (£15.00) cao **B1**

Answer: B) £15.00

Question 8

correct option D (24) cao; 4 / 1 = 4, x 6 **B1**

Answer: D) 24

Question 9

relationship 5 x (4/5 x seats) = 240 or equivalent equation seen (eg 4 x seats = 240) oe **M1**

solve 4 x seats = 240 to get seats = 60 seen **M1**

60 seats cao **A1**

Answer: 60 seats

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