2.72 Fractions of Amounts and Remainders: 30-minute Pack

Total Marks

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Ravi has £22. Ravi spends 1/2 of it. How much does Ravi spend?

- ☐ A) £44.00
- ☐ B) £22.00
- ☐ C) £12.00
- ☐ D) £10.00
- ☐ E) £11.00

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2 3/7 of a number is 18. What is the number?

- ☐ A) 21
- ☐ B) 49
- ☐ C) 54
- ☐ D) 36
- ☐ E) 42

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3 Yusuf has £80. Yusuf spends 1/8 of it on a game, then 1/5 of the money left on a snack. How much money is left?

- ☐ A) £56.00
- ☐ B) £70.00
- ☐ C) £24.00
- ☐ D) £54.00
- ☐ E) £55.00

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4 7/8 of the pupils in a club are girls. There are 98 girls. How many pupils are in the club?

- ☐ A) 112
- ☐ B) 111
- ☐ C) 106
- ☐ D) 686
- ☐ E) 784

---

5 A box holds 20 counters. 3/10 of them are red. How many counters are red?

- ☐ A) 7
- ☐ B) 2
- ☐ C) 14
- ☐ D) 6
- ☐ E) 60

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6 3/10 of the money in a collection tin is £21. How much money is in the tin altogether?

- ☐ A) £71.00
- ☐ B) £63.00
- ☐ C) £70.00
- ☐ D) £210.00
- ☐ E) £6.30

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7 A cycle route is 110 km long. Rhys rides 1/10 of the route. How far is that?

- ☐ A) 10 km
- ☐ B) 11 km
- ☐ C) 99 km
- ☐ D) 12 km
- ☐ E) 1,100 km

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8 Callum has £27. Callum spends 1/3 of it on a game, then 1/3 of the money left on a snack. How much money is left?

- [ ] A) £18.00
- [ ] B) £15.00
- [ ] C) £11.00
- [ ] D) £12.00
- [ ] E) £9.00

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9 A cycle route is 152 km long. Jack rides 1/4 of the route. How far is that?

- [ ] A) 37 km
- [ ] B) 114 km
- [ ] C) 39 km
- [ ] D) 608 km
- [ ] E) 38 km

---

10 Ben has £80. Ben spends 3/10 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- [ ] A) £29.00
- [ ] B) £16.00
- [ ] C) £28.00
- [ ] D) £52.00
- [ ] E) £27.00

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11 A 200 g packet of nuts is opened. 2/5 of the packet is eaten. How many grams are left?

(2)

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12 A cycle route is 8 km long. Jack rides 1/2 of the route. How far is that?

- [ ] A) 8 km
- [ ] B) 4 km
- [ ] C) 5 km
- [ ] D) 16 km
- [ ] E) 3 km

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13 Kwame has £16. Kwame spends 1/4 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- [ ] A) £6.00
- [ ] B) £12.00
- [ ] C) £2.00
- [ ] D) £4.00
- [ ] E) £10.00

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14 11/12 of the pupils in a club are girls. There are 110 girls. How many pupils are in the club?

- [ ] A) 1,210
- [ ] B) 122
- [ ] C) 121
- [ ] D) 1,320
- [ ] E) 120

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15 Kwame has £50. Kwame spends 7/10 of it. How much does Kwame spend?

- [ ] A) £15.00
- [ ] B) £350.00
- [ ] C) £5.00
- [ ] D) £35.00
- [ ] E) £34.00

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16 Sienna has £40. Sienna spends 1/4 of it on a game, then 1/5 of the money left on a snack. How much money is left?

- [ ] A) £25.00
- [ ] B) £16.00
- [ ] C) £24.00
- [ ] D) £30.00
- [ ] E) £22.00

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17 5/6 of the money in a collection tin is £50. How much money is in the tin altogether?

- [ ] A) £56
- [ ] B) £59
- [ ] C) £60
- [ ] D) £300
- [ ] E) £250

---

18 A box holds 35 counters. 1/7 of them are red. How many counters are red?

- [ ] A) 4
- [ ] B) 5
- [ ] C) 30
- [ ] D) 245
- [ ] E) 6

---

19 Priya has read 5/8 of a book, which is 70 pages. How many pages are in the book?

- [ ] A) 350
- [ ] B) 560
- [ ] C) 78
- [ ] D) 112
- [ ] E) 113

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20 A cycle route is 120 km long. Megan rides 1/3 of the route. How far is that?

- [ ] A) 41 km
- [ ] B) 360 km
- [ ] C) 120 km
- [ ] D) 80 km
- [ ] E) 40 km

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21 Chloe has £60. Chloe spends 1/6 of it on a game, then 4/5 of the money left on a snack. How much money is left?

- [ ] A) £11
- [ ] B) £40
- [ ] C) £10
- [ ] D) £2
- [ ] E) £50

---

22 A box holds 77 counters. 1/7 of them are red. How many counters are red?

- [ ] A) 12
- [ ] B) 539
- [ ] C) 77
- [ ] D) 66
- [ ] E) 11

---

23 Mei has £90. Mei spends 1/3 of it on a game, then 3/5 of the money left on a snack. How much money is left?

- [ ] A) £6.00
- [ ] B) £36.00
- [ ] C) £66.00
- [ ] D) £24.00
- [ ] E) £60.00

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24 3/8 of the money in a collection tin is £24. How much money is in the tin altogether?

- [ ] A) £192.00
- [ ] B) £64.00
- [ ] C) £8.00
- [ ] D) £9.00
- [ ] E) £72.00

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25 Harry has £12. Harry spends 3/4 of it on a game, then 2/3 of the money left on a snack. How much money is left?

- [ ] A) £-5.00
- [ ] B) £1.00
- [ ] C) £-8.00
- [ ] D) £2.00
- [ ] E) £11.00

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26 5/12 of the pupils in a club are girls. There are 25 girls. How many pupils are in the club?

- [ ] A) 300
- [ ] B) 125
- [ ] C) 61
- [ ] D) 60
- [ ] E) 5

---

27 A cycle route is 35 km long. Zainab rides 4/5 of the route. How far is that?

- [ ] A) 29 km
- [ ] B) 140 km
- [ ] C) 28 km
- [ ] D) 27 km
- [ ] E) 7 km

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28 Find 1/8 of £3.20.

- [ ] A) £0.40
- [ ] B) £0.60
- [ ] C) £0.20
- [ ] D) £0.80
- [ ] E) £1.00

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29 Ffion has £64. Ffion spends 7/8 of it on a game, then 3/4 of the money left on a snack. How much money is left?

- [ ] A) £1.00
- [ ] B) £-40.00
- [ ] C) £6.00
- [ ] D) £62.00
- [ ] E) £2.00

---

30 3/5 of the pupils in a club are girls. There are 9 girls. How many pupils are in the club?

- [ ] A) 16
- [ ] B) 14
- [ ] C) 45
- [ ] D) 27
- [ ] E) 15

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31 A cycle route is 77 km long. Aisha rides 2/7 of the route. How far is that?

- [ ] A) 22 km
- [ ] B) 11 km
- [ ] C) 55 km
- [ ] D) 154 km
- [ ] E) 21 km

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Mark scheme · 2.72 Fractions of Amounts and Remainders: 30-minute Pack

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

Question 1

correct option E (£11.00) cao; 22 / 2 x 1 **B1**

Answer: E) £11.00

Question 2

correct option E (42) cao **B1**

Answer: E) 42

Question 3

correct option A (£56.00) cao **B1**

Answer: A) £56.00

Question 4

correct option A (112) cao; 98 / 7 = 14, x 8 **B1**

Answer: A) 112

Question 5

correct option D (6) cao; 20 / 10 x 3 **B1**

Answer: D) 6

Question 6

correct option C (£70.00) cao; 21 / 3 = 7, x 10 **B1**

Answer: C) £70.00

Question 7

correct option B (11 km) cao; 110 / 10 x 1 **B1**

Answer: B) 11 km

Question 8

correct option D (£12.00) cao **B1**

Answer: D) £12.00

Question 9

correct option E (38 km) cao; 152 / 4 x 1 **B1**

Answer: E) 38 km

Question 10

correct option C (£28.00) cao **B1**

Answer: C) £28.00

Question 11

amount eaten = 2/5 of 200 = 80 g seen **M1**

grams left = 200 - 80 = 120 g cao **A1**

Answer: 120 g

Question 12

correct option B (4 km) cao; 8 / 2 x 1 **B1**

Answer: B) 4 km

Question 13

correct option A (£6.00) cao **B1**

Answer: A) £6.00

Question 14

correct option E (120) cao; 110 / 11 = 10, x 12 **B1**

Answer: E) 120

Question 15

correct option D (£35.00) cao; 50 / 10 x 7 **B1**

Answer: D) £35.00

Question 16

correct option C (£24.00) cao **B1**

Answer: C) £24.00

Question 17

correct option C (£60) cao; 50 / 5 = 10, x 6 **B1**

Answer: C) £60

Question 18

correct option B (5) cao; 35 / 7 x 1 **B1**

Answer: B) 5

Question 19

correct option D (112) cao; 70 / 5 = 14, x 8 **B1**

Answer: D) 112

Question 20

correct option E (40 km) cao; 120 / 3 x 1 **B1**

Answer: E) 40 km

Question 21

correct option C (£10) cao **B1**

Answer: C) £10

Question 22

correct option E (11) cao; 77 / 7 x 1 **B1**

Answer: E) 11

Question 23

correct option D (£24.00) cao **B1**

Answer: D) £24.00

Question 24

correct option B (£64.00) cao; 24 / 3 = 8, x 8 **B1**

Answer: B) £64.00

Question 25

correct option B (£1.00) cao **B1**

Answer: B) £1.00

Question 26

correct option D (60) cao; 25 / 5 = 5, x 12 **B1**

Answer: D) 60

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Question 27

correct option C (28 km) cao; 35 / 5 x 4 **B1**

Answer: C) 28 km

Question 28

correct option A (£0.40) cao **B1**

Answer: £0.40 (3.20 / 8 = 0.40)

Question 29

correct option E (£2.00) cao **B1**

Answer: E) £2.00

Question 30

correct option E (15) cao; 9 / 3 = 3, x 5 **B1**

Answer: E) 15

Question 31

correct option A (22 km) cao; 77 / 7 x 2 **B1**

Answer: A) 22 km

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