2.72 Fractions of Amounts and Remainders: 1-hour Pack

Total Marks

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Kofi has read 9/10 of a book, which is 45 pages. How many pages are in the book?

- ☐ A) 450
- ☐ B) 50
- ☐ C) 51
- ☐ D) 49
- ☐ E) 405

---

2 A cycle route is 60 km long. Arjun rides 1/10 of the route. How far is that?

- ☐ A) 54 km
- ☐ B) 5 km
- ☐ C) 6 km
- ☐ D) 600 km
- ☐ E) 60 km

---

3 Kofi has £108. Kofi spends 2/3 of it on a game, then 3/4 of the money left on a snack. How much money is left?

- ☐ A) £10.00
- ☐ B) £-63.00
- ☐ C) £99.00
- ☐ D) £9.00
- ☐ E) £-45.00

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4 A box holds 20 counters. 1/4 of them are red. How many counters are red?

- [ ] A) 15
- [ ] B) 5
- [ ] C) 20
- [ ] D) 6
- [ ] E) 80

---

5 Arjun has £60. Arjun spends 2/3 of it on a game, then 3/4 of the money left on a snack. How much money is left?

- [ ] A) £15.00
- [ ] B) £55.00
- [ ] C) £-35.00
- [ ] D) £-25.00
- [ ] E) £5.00

---

6 1/4 of the pupils in a club are girls. There are 3 girls. How many pupils are in the club?

- [ ] A) 12
- [ ] B) 3
- [ ] C) 13
- [ ] D) 7
- [ ] E) 11

---

7 Anya has £72. Anya spends 3/4 of it on a game, then 2/3 of the money left on a snack. How much money is left?

- [ ] A) £7.00
- [ ] B) £-30.00
- [ ] C) £6.00
- [ ] D) £18.00
- [ ] E) £66.00

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8 Jack has read 7/10 of a book, which is 42 pages. How many pages are in the book?

- [ ] A) 60
- [ ] B) 6
- [ ] C) 294
- [ ] D) 420
- [ ] E) 61

---

9 Callum has £180. Callum spends 7/10 of it. How much does Callum spend?

- [ ] A) £18.00
- [ ] B) £126.00
- [ ] C) £1,260.00
- [ ] D) £125.00
- [ ] E) £54.00

---

10 Declan has £64. Declan spends 1/8 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- [ ] A) £36.00
- [ ] B) £27.00
- [ ] C) £20.00
- [ ] D) £28.00
- [ ] E) £24.00

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11 Sana has read 3/4 of a book, which is 30 pages. How many pages are in the book?

- [ ] A) 40
- [ ] B) 39
- [ ] C) 120
- [ ] D) 90
- [ ] E) 10

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12 A cycle route is 15 km long. Yusuf rides 3/5 of the route. How far is that?

- [ ] A) 25 km
- [ ] B) 3 km
- [ ] C) 5 km
- [ ] D) 6 km
- [ ] E) 9 km

---

13 Niamh has £240. Niamh spends 7/8 of it on a game, then 1/6 of the money left on a snack. How much money is left?

- [ ] A) £-10.00
- [ ] B) £25.00
- [ ] C) £5.00
- [ ] D) £26.00
- [ ] E) £215.00

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14 If 1/5 of a number is 14, what is the number?

- [ ] A) 54
- [ ] B) 65
- [ ] C) 70
- [ ] D) 75
- [ ] E) 80

---

15 A box holds 75 counters. 13/15 of them are red. How many counters are red?

- [ ] A) 975
- [ ] B) 66
- [ ] C) 65
- [ ] D) 5
- [ ] E) 10

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16 Megan has £135. Megan spends 3/5 of it on a game, then 2/3 of the money left on a snack. How much money is left?

- [ ] A) £36.00
- [ ] B) £18.00
- [ ] C) £117.00
- [ ] D) £-36.00
- [ ] E) £54.00

---

17 Tariq has £75. Tariq spends 1/3 of it. How much does Tariq spend?

- [ ] A) £50.00
- [ ] B) £75.00
- [ ] C) £24.00
- [ ] D) £225.00
- [ ] E) £25.00

---

18 Noah has £240. Noah spends 5/6 of it on a game, then 4/5 of the money left on a snack. How much money is left?

- [ ] A) £32.00
- [ ] B) £-152.00
- [ ] C) £8.00
- [ ] D) £232.00
- [ ] E) £7.00

---

19 2/3 of the pupils in a club are girls. There are 28 girls. How many pupils are in the club?

- [ ] A) 42
- [ ] B) 84
- [ ] C) 14
- [ ] D) 43
- [ ] E) 56

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20 Mei has £8. Mei spends 1/4 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- [ ] A) £3.00
- [ ] B) £1.00
- [ ] C) £2.00
- [ ] D) £6.00
- [ ] E) £5.00

---

21 1/4 of the money in a collection tin is £11. How much money is in the tin altogether?

- [ ] A) £11.00
- [ ] B) £43.00
- [ ] C) £15.00
- [ ] D) £2.75
- [ ] E) £44.00

---

22 A box holds 80 counters. 1/10 of them are red. How many counters are red?

- [ ] A) 80
- [ ] B) 800
- [ ] C) 8
- [ ] D) 9
- [ ] E) 72

---

23 Grace has £105. Grace spends 2/3 of it on a game, then 2/5 of the money left on a snack. How much money is left?

- [ ] A) £20.00
- [ ] B) £22.00
- [ ] C) £-7.00
- [ ] D) £21.00
- [ ] E) £84.00

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24 2/3 of the money in a collection tin is £10. How much money is in the tin altogether?

- [ ] A) £30.00
- [ ] B) £20.00
- [ ] C) £16.00
- [ ] D) £15.00
- [ ] E) £14.00

---

25 A box holds 10 counters. 1/5 of them are red. How many counters are red?

- [ ] A) 2
- [ ] B) 1
- [ ] C) 3
- [ ] D) 50
- [ ] E) 8

---

26 Chloe has £15. Chloe spends 3/5 of it on a game, then 1/3 of the money left on a snack. How much money is left?

- [ ] A) £1.00
- [ ] B) £11.00
- [ ] C) £6.00
- [ ] D) £5.00
- [ ] E) £4.00

---

27 Chloe has £27. Chloe spends 2/3 of it. How much does Chloe spend?

- [ ] A) £13.50
- [ ] B) £19.00
- [ ] C) £18.00
- [ ] D) £9.00
- [ ] E) £40.50

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28 Ravi has £48. Ravi spends 3/8 of it on a game, then 5/6 of the money left on a snack. How much money is left?

- [ ] A) £6.00
- [ ] B) £-10.00
- [ ] C) £30.00
- [ ] D) £43.00
- [ ] E) £5.00

---

29 3/10 of the pupils in a club are girls. There are 36 girls. How many pupils are in the club?

- [ ] A) 120
- [ ] B) 12
- [ ] C) 119
- [ ] D) 360
- [ ] E) 108

---

30 Poppy has £54. Poppy spends 2/3 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- [ ] A) £10.00
- [ ] B) £18.00
- [ ] C) £45.00
- [ ] D) £9.00
- [ ] E) £-9.00

---

31 A farmer has 50 eggs. He packs them into boxes of 6 eggs. How many full boxes can he fill?

- [ ] A) 10
- [ ] B) 9
- [ ] C) 7
- [ ] D) 8
- [ ] E) 6

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32 Esme has read 3/5 of a book, which is 30 pages. How many pages are in the book?

- [ ] A) 90
- [ ] B) 35
- [ ] C) 50
- [ ] D) 10
- [ ] E) 150

---

33 Kofi has £75. Kofi spends 2/3 of it on a game, then 3/5 of the money left on a snack. How much money is left?

- [ ] A) £11
- [ ] B) £-20
- [ ] C) £65
- [ ] D) £-40
- [ ] E) £10

---

34 1/12 of the money in a collection tin is £13. How much money is in the tin altogether?

- [ ] A) £157.00
- [ ] B) £156.00
- [ ] C) £155.00
- [ ] D) £25.00
- [ ] E) £13.00

---

35 A box holds 56 counters. 6/7 of them are red. How many counters are red?

- [ ] A) 336
- [ ] B) 49
- [ ] C) 48
- [ ] D) 8
- [ ] E) 47

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36 Declan has £80. Declan spends 1/5 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- [ ] A) £32.00
- [ ] B) £31.00
- [ ] C) £48.00
- [ ] D) £24.00
- [ ] E) £16.00

---

37 Tom has read 11/12 of a book, which is 132 pages. How many pages are in the book?

- [ ] A) 1,452
- [ ] B) 1,584
- [ ] C) 12
- [ ] D) 144
- [ ] E) 145

---

38 Maya has £280. Maya spends 17/20 of it. How much does Maya spend?

- [ ] A) £239.00
- [ ] B) £42.00
- [ ] C) £238.00
- [ ] D) £14.00
- [ ] E) £237.00

---

39 Imogen has £12. Imogen spends 5/6 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- [ ] A) £1.00
- [ ] B) £11.00
- [ ] C) £2.00
- [ ] D) £-9.00
- [ ] E) £-4.00

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40 Kofi has £48. Kofi spends 3/4 of it. How much does Kofi spend?

- [ ] A) £64.00
- [ ] B) £36.00
- [ ] C) £12.00
- [ ] D) £35.00
- [ ] E) £144.00

---

41 Isla has £36. Isla spends 3/4 of it on a game, then 1/3 of the money left on a snack. How much money is left?

- [ ] A) £-3.00
- [ ] B) £30.00
- [ ] C) £6.00
- [ ] D) £-21.00
- [ ] E) £7.00

---

42 2/5 of the pupils in a club are girls. There are 8 girls. How many pupils are in the club?

- [ ] A) 40
- [ ] B) 16
- [ ] C) 4
- [ ] D) 20
- [ ] E) 19

---

43 Rhys has £48. Rhys spends 1/4 of it on a game, then 2/3 of the money left on a snack. How much money is left?

- [ ] A) £12.00
- [ ] B) £36.00
- [ ] C) £0.00
- [ ] D) £4.00
- [ ] E) £11.00

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44 Ffion has read 2/3 of a book, which is 20 pages. How many pages are in the book?

- [ ] A) 31
- [ ] B) 30
- [ ] C) 40
- [ ] D) 29
- [ ] E) 60

---

45 A box holds 20 counters. 1/2 of them are red. How many counters are red?

- [ ] A) 11
- [ ] B) 20
- [ ] C) 10
- [ ] D) 9
- [ ] E) 40

---

46 Maya has read 1/10 of a book, which is 12 pages. How many pages are in the book?

- [ ] A) 12
- [ ] B) 22
- [ ] C) 119
- [ ] D) 120
- [ ] E) 121

---

47 A box holds 16 counters. 1/2 of them are red. How many counters are red?

- [ ] A) 9
- [ ] B) 8
- [ ] C) 32
- [ ] D) 7
- [ ] E) 16

---

48 Find 3/4 of 48.

- [ ] A) 12
- [ ] B) 36
- [ ] C) 32
- [ ] D) 18
- [ ] E) 24

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49 Harry has £36. Harry spends 5/6 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- [ ] A) £4.00
- [ ] B) £33.00
- [ ] C) £-12.00
- [ ] D) £-27.00
- [ ] E) £3.00

---

50 1/3 of the pupils in a club are girls. There are 4 girls. How many pupils are in the club?

- [ ] A) 7
- [ ] B) 4
- [ ] C) 11
- [ ] D) 13
- [ ] E) 12

---

51 Maya has £165. Maya spends 7/15 of it. How much does Maya spend?

- [ ] A) £78.00
- [ ] B) £88.00
- [ ] C) £76.00
- [ ] D) £77.00
- [ ] E) £11.00

---

52 Oliver has £48. Oliver spends 1/3 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- [ ] A) £16.00
- [ ] B) £17.00
- [ ] C) £8.00
- [ ] D) £32.00
- [ ] E) £15.00

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53 A box holds 30 counters. 2/5 of them are red. How many counters are red?

- [ ] A) 6
- [ ] B) 12
- [ ] C) 18
- [ ] D) 75
- [ ] E) 11

---

54 Zainab has £60. Zainab spends 2/5 of it on a game, then 3/4 of the money left on a snack. How much money is left?

- [ ] A) £51.00
- [ ] B) £-9.00
- [ ] C) £-15.00
- [ ] D) £27.00
- [ ] E) £9.00

---

55 3/4 of the pupils in a club are girls. There are 15 girls. How many pupils are in the club?

- [ ] A) 45
- [ ] B) 20
- [ ] C) 21
- [ ] D) 19
- [ ] E) 60

---

56 Mei has £150. Mei spends 1/5 of it on a game, then 2/3 of the money left on a snack. How much money is left?

- [ ] A) £110
- [ ] B) £20
- [ ] C) £10
- [ ] D) £40
- [ ] E) £80

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57 11/12 of the money in a collection tin is £154. How much money is in the tin altogether?

- [ ] A) £1,848.00
- [ ] B) £168.00
- [ ] C) £167.00
- [ ] D) £1,694.00
- [ ] E) £169.00

---

58 Zainab has read 3/4 of a book, which is 9 pages. How many pages are in the book?

- [ ] A) 36
- [ ] B) 13
- [ ] C) 12
- [ ] D) 27
- [ ] E) 3

---

59 Lily has £16. Lily spends 3/4 of it on a game, then 1/2 of the money left on a snack. How much money is left?

- [ ] A) £2.00
- [ ] B) £-4.00
- [ ] C) £1.00
- [ ] D) £14.00
- [ ] E) £4.00

---

60 1/3 of the pupils in a club are girls. There are 5 girls. How many pupils are in the club?

- [ ] A) 14
- [ ] B) 8
- [ ] C) 15
- [ ] D) 16
- [ ] E) 5

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61 Priya has £25. Priya spends 1/5 of it. How much does Priya spend?

- [ ] A) £4.00
- [ ] B) £5.00
- [ ] C) £6.00
- [ ] D) £125.00
- [ ] E) £20.00

---

62 Niamh has £120. Niamh spends 3/4 of it on a game, then 3/5 of the money left on a snack. How much money is left?

- [ ] A) £-42.00
- [ ] B) £18.00
- [ ] C) £11.00
- [ ] D) £108.00
- [ ] E) £12.00

---

63 Rhys has read 4/5 of a book, which is 28 pages. How many pages are in the book?

- [ ] A) 112
- [ ] B) 35
- [ ] C) 33
- [ ] D) 34
- [ ] E) 140

---

64 Esme has £160. Esme spends 11/20 of it. How much does Esme spend?

- [ ] A) £89.00
- [ ] B) £1,760.00
- [ ] C) £88.00
- [ ] D) £72.00
- [ ] E) £8.00

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Mark scheme · 2.72 Fractions of Amounts and Remainders: 1-hour Pack

Question 1

correct option B (50) cao; 45 / 9 = 5, x 10 **B1**

Answer: B) 50

Question 2

correct option C (6 km) cao; 60 / 10 x 1 **B1**

Answer: C) 6 km

Question 3

correct option D (£9.00) cao **B1**

Answer: D) £9.00

Question 4

correct option B (5) cao; 20 / 4 x 1 **B1**

Answer: B) 5

Question 5

correct option E (£5.00) cao **B1**

Answer: E) £5.00

Question 6

correct option A (12) cao; 3 / 1 = 3, x 4 **B1**

Answer: A) 12

Question 7

correct option C (£6.00) cao **B1**

Answer: C) £6.00

Question 8

correct option A (60) cao; 42 / 7 = 6, x 10 **B1**

Answer: A) 60

Question 9

correct option B (£126.00) cao; 180 / 10 x 7 **B1**

Answer: B) £126.00

Question 10

correct option D (£28.00) cao **B1**

Answer: D) £28.00

Question 11

correct option A (40) cao; 30 / 3 = 10, x 4 **B1**

Answer: A) 40

Question 12

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

Answer: E) 9 km

Question 13

correct option B (£25.00) cao **B1**

Answer: B) £25.00

Question 14

correct option C (70) cao **B1**

Answer: C) 70 (14 x 5 = 70)

Question 15

correct option C (65) cao; 75 / 15 x 13 **B1**

Answer: C) 65

Question 16

correct option B (£18.00) cao **B1**

Answer: B) £18.00

Question 17

correct option E (£25.00) cao; 75 / 3 x 1 **B1**

Answer: E) £25.00

Question 18

correct option C (£8.00) cao **B1**

Answer: C) £8.00

Question 19

correct option A (42) cao; 28 / 2 = 14, x 3 **B1**

Answer: A) 42

Question 20

correct option A (£3.00) cao **B1**

Answer: A) £3.00

Question 21

correct option E (£44.00) cao; 11 / 1 = 11, x 4 **B1**

Answer: E) £44.00

Question 22

correct option C (8) cao; 80 / 10 x 1 **B1**

Answer: C) 8

Question 23

correct option D (£21.00) cao **B1**

Answer: D) £21.00

Question 24

correct option D (£15.00) cao; 10 / 2 = 5, x 3 **B1**

Answer: D) £15.00

Question 25

correct option A (2) cao; 10 / 5 x 1 **B1**

Answer: A) 2

Question 26

correct option E (£4.00) cao **B1**

Answer: E) £4.00

Question 27

correct option C (£18.00) cao; 27 / 3 x 2 **B1**

Answer: C) £18.00

Question 28

correct option E (£5.00) cao **B1**

Answer: E) £5.00

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Question 29

correct option A (120) cao; 36 / 3 = 12, x 10 **B1**

Answer: A) 120

Question 30

correct option D (£9.00) cao **B1**

Answer: D) £9.00

Question 31

correct option D (8) cao **B1**

Answer: D) 8

Question 32

correct option C (50) cao; 30 / 3 = 10, x 5 **B1**

Answer: C) 50

Question 33

correct option E (£10) cao **B1**

Answer: E) £10

Question 34

correct option B (£156.00) cao; 13 / 1 = 13, x 12 **B1**

Answer: B) £156.00

Question 35

correct option C (48) cao; 56 / 7 x 6 **B1**

Answer: C) 48

Question 36

correct option A (£32.00) cao **B1**

Answer: A) £32.00

Question 37

correct option D (144) cao; 132 / 11 = 12, x 12 **B1**

Answer: D) 144

Question 38

correct option C (£238.00) cao; 280 / 20 x 17 **B1**

Answer: C) £238.00

Question 39

correct option A (£1.00) cao **B1**

Answer: A) £1.00

Question 40

correct option B (£36.00) cao; 48 / 4 x 3 **B1**

Answer: B) £36.00

Question 41

correct option C (£6.00) cao **B1**

Answer: C) £6.00

Question 42

correct option D (20) cao; 8 / 2 = 4, x 5 **B1**

Answer: D) 20

Question 43

correct option A (£12.00) cao **B1**

Answer: A) £12.00

Question 44

correct option B (30) cao; 20 / 2 = 10, x 3 **B1**

Answer: B) 30

Question 45

correct option C (10) cao; 20 / 2 x 1 **B1**

Answer: C) 10

Question 46

correct option D (120) cao; 12 / 1 = 12, x 10 **B1**

Answer: D) 120

Question 47

correct option B (8) cao; 16 / 2 x 1 **B1**

Answer: B) 8

Question 48

correct option B (36) cao **B1**

Answer: B) 36

Question 49

correct option E (£3.00) cao **B1**

Answer: E) £3.00

Question 50

correct option E (12) cao; 4 / 1 = 4, x 3 **B1**

Answer: E) 12

Question 51

correct option D (£77.00) cao; 165 / 15 x 7 **B1**

Answer: D) £77.00

Question 52

correct option A (£16.00) cao **B1**

Answer: A) £16.00

Question 53

correct option B (12) cao; 30 / 5 x 2 **B1**

Answer: B) 12

Question 54

correct option E (£9.00) cao **B1**

Answer: E) £9.00

Question 55

correct option B (20) cao; 15 / 3 = 5, x 4 **B1**

Answer: B) 20

Question 56

correct option D (£40) cao **B1**

Answer: D) £40

Question 57

correct option B (£168.00) cao; 154 / 11 = 14, x 12 **B1**

Answer: B) £168.00

Question 58

correct option C (12) cao; 9 / 3 = 3, x 4 **B1**

Answer: C) 12

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Question 59

correct option A (£2.00) cao **B1**

Answer: A) £2.00

Question 60

correct option C (15) cao; 5 / 1 = 5, x 3 **B1**

Answer: C) 15

Question 61

correct option B (£5.00) cao; 25 / 5 x 1 **B1**

Answer: B) £5.00

Question 62

correct option E (£12.00) cao **B1**

Answer: E) £12.00

Question 63

correct option B (35) cao; 28 / 4 = 7, x 5 **B1**

Answer: B) 35

Question 64

correct option C (£88.00) cao; 160 / 20 x 11 **B1**

Answer: C) £88.00

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