2.2 Four Operations (Worded): 1-hour Pack

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

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Work out 279 ÷ 3.

- ☐ A) 83
- ☐ B) 92
- ☐ C) 93
- ☐ D) 930
- ☐ E) 103

---

2 Kwame saves £15 every week towards a new bicycle costing £180. Calculate how many weeks Kwame needs to save for the bicycle.

(2)

---

3 Hamza shares 689 sweets equally between 18 bags and puts the rest in a jar. How many sweets go in the jar?

- ☐ A) 38
- ☐ B) 5
- ☐ C) 4
- ☐ D) 6
- ☐ E) 13

---

4 Work out 3 + 12 x 10 - 8.

- ☐ A) 125
- ☐ B) 115
- ☐ C) 105
- ☐ D) 142
- ☐ E) 30

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5 Ethan buys 4 packs of cards with 4 cards in each pack and 3 packs with 6 cards in each pack. How many cards does Ethan buy altogether?

- [ ] A) 70
- [ ] B) 22
- [ ] C) 35
- [ ] D) 34
- [ ] E) 17

---

6 Work out 7,871 ÷ 17.

- [ ] A) 17
- [ ] B) 453
- [ ] C) 473
- [ ] D) 4,630
- [ ] E) 463

---

7 Work out 842 x 69.

- [ ] A) 49,678
- [ ] B) 50,520
- [ ] C) 58,098
- [ ] D) 12,630
- [ ] E) 58,099

---

8 Zainab shares 226 sweets equally between 6 bags and puts the rest in a jar. How many sweets go in the jar?

- [ ] A) 4
- [ ] B) 3
- [ ] C) 2
- [ ] D) 37
- [ ] E) 38

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9 Work out 5 + 7 x 5 - 8.

- ☐ A) 22
- ☐ B) 32
- ☐ C) 52
- ☐ D) -36
- ☐ E) 33

---

10 A library buys 4 packs of 11 books. 10 books are given to another school. How many books are kept?

- ☐ A) 35
- ☐ B) 5
- ☐ C) 54
- ☐ D) 34
- ☐ E) 44

---

11 Ewan buys 9 packs of cards with 3 cards in each pack and 4 packs with 6 cards in each pack. How many cards does Ewan buy altogether?

- ☐ A) 22
- ☐ B) 648
- ☐ C) 50
- ☐ D) 117
- ☐ E) 51

---

12 Work out 887 x 14.

- ☐ A) 12,419
- ☐ B) 12,418
- ☐ C) 8,870
- ☐ D) 12,417
- ☐ E) 4,435

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13 105 pupils go on a trip. Each minibus holds 6 pupils. How many minibuses are needed?

- [ ] A) 19
- [ ] B) 105
- [ ] C) 18
- [ ] D) 17
- [ ] E) 3

---

14 Work out 88 - 7 x 11.

- [ ] A) 10
- [ ] B) 12
- [ ] C) 21
- [ ] D) 11
- [ ] E) 891

---

15 Oliver buys 18 packs of cards with 6 cards in each pack and 24 packs with 25 cards in each pack. How many cards does Oliver buy altogether?

- [ ] A) 133
- [ ] B) 64,800
- [ ] C) 73
- [ ] D) 1,302
- [ ] E) 708

---

16 Work out 376 ÷ 8.

- [ ] A) 47
- [ ] B) 46
- [ ] C) 470
- [ ] D) 48
- [ ] E) 57

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17 Work out 825 x 33.

- [ ] A) 24,750
- [ ] B) 18,975
- [ ] C) 4,950
- [ ] D) 27,225
- [ ] E) 27,224

---

18 Work out 7 x 6 - 4.

- [ ] A) 39
- [ ] B) 48
- [ ] C) 37
- [ ] D) 14
- [ ] E) 38

---

19 A school orders 38 boxes of 26 pencils. 13 pencils are broken. How many pencils can still be used?

- [ ] A) 51
- [ ] B) 1,001
- [ ] C) 975
- [ ] D) 988
- [ ] E) 976

---

20 Leo buys 4 packs of cards with 15 cards in each pack and 2 packs with 14 cards in each pack. How many cards does Leo buy altogether?

- [ ] A) 174
- [ ] B) 60
- [ ] C) 88
- [ ] D) 86
- [ ] E) 35

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21 Work out 873 ÷ 9.

- [ ] A) 97
- [ ] B) 107
- [ ] C) 970
- [ ] D) 79
- [ ] E) 98

---

22 Work out 914 x 67.

- [ ] A) 61,239
- [ ] B) 54,840
- [ ] C) 11,882
- [ ] D) 61,237
- [ ] E) 61,238

---

23 Jack shares 492 sweets equally between 32 bags and puts the rest in a jar. How many sweets go in the jar?

- [ ] A) 11
- [ ] B) 20
- [ ] C) 16
- [ ] D) 12
- [ ] E) 15

---

24 Work out 8 x 6 - 6.

- [ ] A) 43
- [ ] B) 42
- [ ] C) 41
- [ ] D) 32
- [ ] E) 0

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25 Lily buys 33 packs of cards with 12 cards in each pack and 29 packs with 15 cards in each pack. How many cards does Lily buy altogether?

- [ ] A) 831
- [ ] B) 832
- [ ] C) 89
- [ ] D) 411
- [ ] E) 1,674

---

26 Work out 324 ÷ 9.

- [ ] A) 306
- [ ] B) 46
- [ ] C) 360
- [ ] D) 36
- [ ] E) 37

---

27 Work out 35 x 8.

- [ ] A) 281
- [ ] B) 280
- [ ] C) 64
- [ ] D) 200
- [ ] E) 380

---

28 Work out 28 - 2 x 4.

- [ ] A) 104
- [ ] B) 21
- [ ] C) 19
- [ ] D) 10
- [ ] E) 20

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29 A school orders 10 boxes of 8 pencils. 4 pencils are broken. How many pencils can still be used?

- [ ] A) 84
- [ ] B) 76
- [ ] C) 14
- [ ] D) 80
- [ ] E) 77

---

30 Amara buys 9 packs of cards with 8 cards in each pack and 4 packs with 10 cards in each pack. How many cards does Amara buy altogether?

- [ ] A) 112
- [ ] B) 31
- [ ] C) 72
- [ ] D) 2,880
- [ ] E) 234

---

31 Work out 570 x 45.

- [ ] A) 22,800
- [ ] B) 25,651
- [ ] C) 25,650
- [ ] D) 19,950
- [ ] E) 5,130

---

32 Hamza shares 70 sweets equally between 8 bags and puts the rest in a jar. How many sweets go in the jar?

- [ ] A) 8
- [ ] B) 5
- [ ] C) 2
- [ ] D) 6
- [ ] E) 7

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33 Work out 5 + 10 x 8 - 2.

- [ ] A) 90
- [ ] B) 118
- [ ] C) 83
- [ ] D) 84
- [ ] E) 82

---

34 A baker bakes 8 trays of 4 rolls. 5 rolls are sold. How many rolls are left?

- [ ] A) 37
- [ ] B) 7
- [ ] C) 26
- [ ] D) 27
- [ ] E) 12

---

35 Esme buys 2 packs of cards with 5 cards in each pack and 6 packs with 19 cards in each pack. How many cards does Esme buy altogether?

- [ ] A) 192
- [ ] B) 124
- [ ] C) 123
- [ ] D) 32
- [ ] E) 1,140

---

36 Work out 4,716 ÷ 12.

- [ ] A) 393
- [ ] B) 3,930
- [ ] C) 403
- [ ] D) 12
- [ ] E) 392

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37 Work out 495 x 56.

- [ ] A) 5,445
- [ ] B) 27,721
- [ ] C) 22,770
- [ ] D) 24,750
- [ ] E) 27,720

---

38 Work out 8 x (4 + 12) - 12.

- [ ] A) 115
- [ ] B) 126
- [ ] C) 116
- [ ] D) 117
- [ ] E) 32

---

39 A baker bakes 31 trays of 18 rolls. 117 rolls are sold. How many rolls are left?

- [ ] A) 675
- [ ] B) 558
- [ ] C) 440
- [ ] D) 442
- [ ] E) 441

---

40 Arjun buys 9 packs of cards with 14 cards in each pack and 9 packs with 21 cards in each pack. How many cards does Arjun buy altogether?

- [ ] A) 53
- [ ] B) 315
- [ ] C) 316
- [ ] D) 630
- [ ] E) 23,814

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41 Work out 949 x 39.

- [ ] A) 37,011
- [ ] B) 11,388
- [ ] C) 8,541
- [ ] D) 27,521
- [ ] E) 28,470

---

42 85 pupils go on a trip. Each minibus holds 12 pupils. How many minibuses are needed?

- [ ] A) 85
- [ ] B) 7
- [ ] C) 9
- [ ] D) 1
- [ ] E) 8

---

43 Work out 6 + 6 x 12 - 6.

- [ ] A) 82
- [ ] B) 73
- [ ] C) 72
- [ ] D) 138
- [ ] E) 62

---

44 Leo buys 37 packs of cards with 4 cards in each pack and 32 packs with 24 cards in each pack. How many cards does Leo buy altogether?

- [ ] A) 915
- [ ] B) 1,932
- [ ] C) 97
- [ ] D) 916
- [ ] E) 113,664

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45 Work out 5,202 ÷ 18.

- [ ] A) 289
- [ ] B) 288
- [ ] C) 982
- [ ] D) 299
- [ ] E) 2,890

---

46 Work out 13 x 7.

- [ ] A) 92
- [ ] B) 191
- [ ] C) 91
- [ ] D) 21
- [ ] E) 90

---

47 152 pupils go on a trip. Each minibus holds 12 pupils. How many minibuses are needed?

- [ ] A) 8
- [ ] B) 152
- [ ] C) 12
- [ ] D) 14
- [ ] E) 13

---

48 Work out 12 x (9 + 11) - 10.

- [ ] A) 120
- [ ] B) 240
- [ ] C) 229
- [ ] D) 230
- [ ] E) 109

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49 A library buys 11 packs of 6 books. 8 books are given to another school. How many books are kept?

- [ ] A) 9
- [ ] B) 58
- [ ] C) 66
- [ ] D) 59
- [ ] E) 74

---

50 Rhys buys 5 packs of cards with 7 cards in each pack and 8 packs with 24 cards in each pack. How many cards does Rhys buy altogether?

- [ ] A) 227
- [ ] B) 44
- [ ] C) 35
- [ ] D) 226
- [ ] E) 403

---

51 Work out 267 x 76.

- [ ] A) 3,471
- [ ] B) 18,690
- [ ] C) 20,291
- [ ] D) 20,293
- [ ] E) 20,292

---

52 849 pupils go on a trip. Each minibus holds 21 pupils. How many minibuses are needed?

- [ ] A) 40
- [ ] B) 42
- [ ] C) 41
- [ ] D) 9
- [ ] E) 849

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53 Work out 9 + 6 x 3.

- [ ] A) 27
- [ ] B) 17
- [ ] C) 45
- [ ] D) 37
- [ ] E) 28

---

54 Kofi buys 3 packs of cards with 4 cards in each pack and 9 packs with 8 cards in each pack. How many cards does Kofi buy altogether?

- [ ] A) 24
- [ ] B) 84
- [ ] C) 60
- [ ] D) 144
- [ ] E) 20

---

55 Work out 3,555 ÷ 15.

- [ ] A) 15
- [ ] B) 227
- [ ] C) 247
- [ ] D) 2,370
- [ ] E) 237

---

56 Work out 568 x 75.

- [ ] A) 36,920
- [ ] B) 6,816
- [ ] C) 42,601
- [ ] D) 42,600
- [ ] E) 39,760

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57 Work out 4 + 5 x 11 - 2.

- ☐ A) 81
- ☐ B) 58
- ☐ C) 57
- ☐ D) 97
- ☐ E) 47

---

58 Lena is reading a book with 360 pages. So far she has read 96 pages. She plans to read 24 pages each day from now on. How many more days will it take her to finish the book?

(3)

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59 A shop sells batteries in two pack sizes. A pack of 12 batteries costs £3.60. A pack of 20 batteries costs £5.80. Which pack is better value for money? You must show your working.

(3)

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Mark scheme · 2.2 Four Operations (Worded): 1-hour Pack

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

Question 1

correct option C (93) cao **B1**

Answer: C) 93

Question 2

180 / 15 seen, or repeated addition of 15 to 180 **M1**

12 (weeks) cao **A1**

Answer: 12 weeks

Question 3

correct option B (5) cao **B1**

Answer: B) 5

Question 4

correct option B (115) cao **B1**

Answer: B) 115

Question 5

correct option D (34) cao **B1**

Answer: D) 34

Question 6

correct option E (463) cao **B1**

Answer: E) 463

Question 7

correct option C (58,098) cao **B1**

Answer: C) 58,098

Question 8

correct option A (4) cao **B1**

Answer: A) 4

Question 9

correct option B (32) cao **B1**

Answer: B) 32

Question 10

correct option D (34) cao **B1**

Answer: D) 34

Question 11

correct option E (51) cao **B1**

Answer: E) 51

Question 12

correct option B (12,418) cao **B1**

Answer: B) 12,418

Question 13

correct option C (18) cao **B1**

Answer: C) 18

Question 14

correct option D (11) cao **B1**

Answer: D) 11

Question 15

correct option E (708) cao **B1**

Answer: E) 708

Question 16

correct option A (47) cao **B1**

Answer: A) 47

Question 17

correct option D (27,225) cao **B1**

Answer: D) 27,225

Question 18

correct option E (38) cao **B1**

Answer: E) 38

Question 19

correct option C (975) cao **B1**

Answer: C) 975

Question 20

correct option C (88) cao **B1**

Answer: C) 88

Question 21

correct option A (97) cao **B1**

Answer: A) 97

Question 22

correct option E (61,238) cao **B1**

Answer: E) 61,238

Question 23

correct option D (12) cao **B1**

Answer: D) 12

Question 24

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

Answer: B) 42

Question 25

correct option A (831) cao **B1**

Answer: A) 831

Question 26

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

Answer: D) 36

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Question 27

correct option B (280) cao **B1**

Answer: B) 280

Question 28

correct option E (20) cao **B1**

Answer: E) 20

Question 29

correct option B (76) cao **B1**

Answer: B) 76

Question 30

correct option A (112) cao **B1**

Answer: A) 112

Question 31

correct option C (25,650) cao **B1**

Answer: C) 25,650

Question 32

correct option D (6) cao **B1**

Answer: D) 6

Question 33

correct option C (83) cao **B1**

Answer: C) 83

Question 34

correct option D (27) cao **B1**

Answer: D) 27

Question 35

correct option B (124) cao **B1**

Answer: B) 124

Question 36

correct option A (393) cao **B1**

Answer: A) 393

Question 37

correct option E (27,720) cao **B1**

Answer: E) 27,720

Question 38

correct option C (116) cao **B1**

Answer: C) 116

Question 39

correct option E (441) cao **B1**

Answer: E) 441

Question 40

correct option B (315) cao **B1**

Answer: B) 315

Question 41

correct option A (37,011) cao **B1**

Answer: A) 37,011

Question 42

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

Answer: E) 8

Question 43

correct option C (72) cao **B1**

Answer: C) 72

Question 44

correct option D (916) cao **B1**

Answer: D) 916

Question 45

correct option A (289) cao **B1**

Answer: A) 289

Question 46

correct option C (91) cao **B1**

Answer: C) 91

Question 47

correct option E (13) cao **B1**

Answer: E) 13

Question 48

correct option D (230) cao **B1**

Answer: D) 230

Question 49

correct option B (58) cao **B1**

Answer: B) 58

Question 50

correct option A (227) cao **B1**

Answer: A) 227

Question 51

correct option E (20,292) cao **B1**

Answer: E) 20,292

Question 52

correct option C (41) cao **B1**

Answer: C) 41

Question 53

correct option A (27) cao **B1**

Answer: A) 27

Question 54

correct option B (84) cao **B1**

Answer: B) 84

Question 55

correct option E (237) cao **B1**

Answer: E) 237

Question 56

correct option D (42,600) cao **B1**

Answer: D) 42,600

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Question 57

correct option C (57) cao	**B1**

Answer: C) 57

Question 58

360 - 96 (= 264) seen	**M1**
264 / 24, dependent on the first M1, or repeated addition of 24 to reach 264	**dM1**
11 (days) cao	**A1**

Answer: 11 days

Question 59

finds a correct unit price or scaled cost for the 12-pack, e.g. 360 / 12 (= 30p) seen, or 5 x 3.60 (= 18.00) for 60 batteries	**M1**
finds the matching unit price or scaled cost for the 20-pack, e.g. 580 / 20 (= 29p) seen, or 3 x 5.80 (= 17.40) for 60 batteries	**M1**
20-pack, with a like-for-like comparison shown (29p and 30p per battery, or 17.40 and 18.00 for 60 batteries)	**A1**

Answer: The pack of 20 (29p per battery, against 30p per battery for the pack of 12)

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