2.2 Four Operations (Worded): Test Pack

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

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Amara has 24 marbles. Her brother gives her 18 more marbles. How many marbles does Amara have now?

(1)

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2 Olivia buys 4 apples at 35p each, 2 loaves of bread at £1.15 each and a carton of juice costing 89p.

(a) Work out the total cost of the apples. **(1)**

.....

(b) Work out the total cost of everything Olivia buys. **(1)**

.....

(c) Olivia pays with a £5 note. Work out her change. **(1)**

.....

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3 Declan buys 6 packs of cards with 9 cards in each pack and 5 packs with 8 cards in each pack. How many cards does Declan buy altogether?

- ☐ A) 95
- ☐ B) 93
- ☐ C) 187
- ☐ D) 94
- ☐ E) 28

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4 Work out 1,782 ÷ 11.

- [ ] A) 161
- [ ] B) 11
- [ ] C) 172
- [ ] D) 1,620
- [ ] E) 162

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5 A baker bakes 29 trays of 33 rolls. 309 rolls are sold. How many rolls are left?

- [ ] A) 647
- [ ] B) 648
- [ ] C) 1,266
- [ ] D) 957
- [ ] E) 649

---

6 Kwame shares 285 sweets equally between 9 bags and puts the rest in a jar. How many sweets go in the jar?

- [ ] A) 3
- [ ] B) 31
- [ ] C) 6
- [ ] D) 7
- [ ] E) 32

---

7 Work out (5 + 4) x 10 - 4.

- [ ] A) 96
- [ ] B) 54
- [ ] C) 87
- [ ] D) 76
- [ ] E) 86

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8 Work out 440 x 61.

- ☐ A) 26,400
- ☐ B) 22,440
- ☐ C) 26,839
- ☐ D) 26,840
- ☐ E) 3,080

---

9 A baker bakes 5 trays of 11 rolls. 3 rolls are sold. How many rolls are left?

- ☐ A) 52
- ☐ B) 53
- ☐ C) 40
- ☐ D) 58
- ☐ E) 13

---

10 Work out 4,352 ÷ 17.

- ☐ A) 266
- ☐ B) 257
- ☐ C) 256
- ☐ D) 2,560
- ☐ E) 17

---

11 5 coaches each carry 13 pupils on a trip. 16 pupils are off ill. How many pupils go on the trip?

- ☐ A) 49
- ☐ B) 48
- ☐ C) 81
- ☐ D) 2
- ☐ E) 50

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12 Noah shares 219 sweets equally between 10 bags and puts the rest in a jar. How many sweets go in the jar?

- [ ] A) 8
- [ ] B) 9
- [ ] C) 10
- [ ] D) 21
- [ ] E) 1

---

13 A library buys 11 packs of 14 books. 41 books are given to another school. How many books are kept?

- [ ] A) 154
- [ ] B) 113
- [ ] C) 195
- [ ] D) 41
- [ ] E) 112

---

14 Yusuf shares 94 sweets equally between 8 bags and puts the rest in a jar. How many sweets go in the jar?

- [ ] A) 2
- [ ] B) 5
- [ ] C) 6
- [ ] D) 7
- [ ] E) 11

---

15 Work out 623 ÷ 7.

- [ ] A) 99
- [ ] B) 890
- [ ] C) 79
- [ ] D) 98
- [ ] E) 89

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16 288 pupils go on a trip. Each minibus holds 5 pupils. How many minibuses are needed?

- ☐ A) 288
- ☐ B) 3
- ☐ C) 59
- ☐ D) 58
- ☐ E) 57

---

17 Work out 180 ÷ 6.

- ☐ A) 6
- ☐ B) 30
- ☐ C) 130
- ☐ D) 300
- ☐ E) 40

---

18 A shop has 11 shelves holding 11 jars each. 19 jars are sold. How many jars are left?

- ☐ A) 103
- ☐ B) 102
- ☐ C) 121
- ☐ D) 140
- ☐ E) 3

---

19 Work out 364 ÷ 7.

- ☐ A) 25
- ☐ B) 62
- ☐ C) 7
- ☐ D) 52
- ☐ E) 520

---

20 3 coaches each carry 10 pupils on a trip. 5 pupils are off ill. How many pupils go on the trip?

- ☐ A) 15
- ☐ B) 25
- ☐ C) 35
- ☐ D) 8
- ☐ E) 5

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21 267 pupils go on a trip. Each minibus holds 6 pupils. How many minibuses are needed?

- [ ] A) 45
- [ ] B) 3
- [ ] C) 44
- [ ] D) 267
- [ ] E) 46

---

22 10 coaches each carry 8 pupils on a trip. 25 pupils are off ill. How many pupils go on the trip?

- [ ] A) 56
- [ ] B) 25
- [ ] C) 55
- [ ] D) 105
- [ ] E) 80

---

23 203 pupils go on a trip. Each minibus holds 5 pupils. How many minibuses are needed?

- [ ] A) 203
- [ ] B) 42
- [ ] C) 3
- [ ] D) 40
- [ ] E) 41

---

24 Ben buys 7 packs of cards with 3 cards in each pack and 8 packs with 23 cards in each pack. How many cards does Ben buy altogether?

- [ ] A) 205
- [ ] B) 390
- [ ] C) 185
- [ ] D) 41
- [ ] E) 44

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25 Work out 87 x 4.

- [ ] A) 349
- [ ] B) 448
- [ ] C) 347
- [ ] D) 308
- [ ] E) 348

---

26 Ewan buys 5 packs of cards with 13 cards in each pack and 2 packs with 15 cards in each pack. How many cards does Ewan buy altogether?

- [ ] A) 95
- [ ] B) 196
- [ ] C) 35
- [ ] D) 1,950
- [ ] E) 101

---

27 Work out 8 x (4 + 12) - 9.

- [ ] A) 109
- [ ] B) 35
- [ ] C) 119
- [ ] D) 56
- [ ] E) 118

---

28 31 coaches each carry 13 pupils on a trip. 27 pupils are off ill. How many pupils go on the trip?

- [ ] A) 377
- [ ] B) 376
- [ ] C) 430
- [ ] D) 17
- [ ] E) 52

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29 Kwame shares 294 sweets equally between 12 bags and puts the rest in a jar. How many sweets go in the jar?

- [ ] A) 7
- [ ] B) 25
- [ ] C) 6
- [ ] D) 5
- [ ] E) 24

---

30 Work out 450 ÷ 10.

- [ ] A) 450
- [ ] B) 45
- [ ] C) 44
- [ ] D) 46
- [ ] E) 55

---

31 462 pupils go on a trip. Each minibus holds 17 pupils. How many minibuses are needed?

- [ ] A) 29
- [ ] B) 3
- [ ] C) 28
- [ ] D) 462
- [ ] E) 27

---

32 Tom shares 147 sweets equally between 9 bags and puts the rest in a jar. How many sweets go in the jar?

- [ ] A) 4
- [ ] B) 6
- [ ] C) 3
- [ ] D) 16
- [ ] E) 17

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33 Work out 207 ÷ 9.

- [ ] A) 23
- [ ] B) 33
- [ ] C) 230
- [ ] D) 32
- [ ] E) 22

---

34 68 pupils go on a trip. Each minibus holds 5 pupils. How many minibuses are needed?

- [ ] A) 68
- [ ] B) 15
- [ ] C) 13
- [ ] D) 3
- [ ] E) 14

---

35 Work out 4,335 ÷ 15.

- [ ] A) 279
- [ ] B) 289
- [ ] C) 2,890
- [ ] D) 299
- [ ] E) 15

---

36 11 coaches each carry 9 pupils on a trip. 30 pupils are off ill. How many pupils go on the trip?

- [ ] A) 68
- [ ] B) 70
- [ ] C) 99
- [ ] D) 69
- [ ] E) 129

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37 Tariq buys 5 packs of cards with 9 cards in each pack and 8 packs with 22 cards in each pack. How many cards does Tariq buy altogether?

- ☐ A) 403
- ☐ B) 222
- ☐ C) 44
- ☐ D) 221
- ☐ E) 7,920

---

38 Work out 5 x (6 + 12) - 6.

- ☐ A) 94
- ☐ B) 84
- ☐ C) 36
- ☐ D) 85
- ☐ E) 60

---

39 Work out 510 ÷ 6.

- ☐ A) 84
- ☐ B) 95
- ☐ C) 86
- ☐ D) 85
- ☐ E) 850

---

40 A train travels 240 km in 3 hours at a steady speed.

(a) Work out the speed of the train in km/h. **(1)**

.....

(b) Using this steady speed, work out how far the train would travel in 5 hours. **(2)**

.....

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41 Ewan buys 5 packs of cards with 11 cards in each pack and 5 packs with 5 cards in each pack. How many cards does Ewan buy altogether?

- [ ] A) 26
- [ ] B) 1,375
- [ ] C) 160
- [ ] D) 55
- [ ] E) 80

---

42 Work out (12 + 11) x 11.

- [ ] A) 254
- [ ] B) 263
- [ ] C) 243
- [ ] D) 252
- [ ] E) 253

---

43 A baker bakes 7 trays of 9 rolls. 20 rolls are sold. How many rolls are left?

- [ ] A) 43
- [ ] B) 83
- [ ] C) 20
- [ ] D) 44
- [ ] E) 63

---

44 51 pupils go on a trip. Each minibus holds 7 pupils. How many minibuses are needed?

- [ ] A) 9
- [ ] B) 2
- [ ] C) 51
- [ ] D) 7
- [ ] E) 8

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45 Ethan buys 4 packs of cards with 8 cards in each pack and 5 packs with 6 cards in each pack. How many cards does Ethan buy altogether?

- ☐ A) 62
- ☐ B) 32
- ☐ C) 23
- ☐ D) 126
- ☐ E) 64

---

46 Work out 71 x 7.

- ☐ A) 427
- ☐ B) 498
- ☐ C) 597
- ☐ D) 497
- ☐ E) 56

---

47 A football stadium has 32,400 seats. Three home matches had attendances of 28,750, 31,205 and 29,846.

(a) Work out the total attendance for the three matches. **(2)**

.....

(b) Work out the total number of empty seats over the three matches. **(2)**

.....

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48 A publisher prints 3458 copies of a magazine. The magazines are packed into cartons that each hold 24 copies.

(a) Work out how many cartons can be completely filled. **(2)**

.....

(b) Work out how many magazines are left over once the full cartons have been packed. **(2)**

.....

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49 A removal company charges a call-out fee of £45 plus £2.80 for each kilometre travelled.

(a) Mrs Okafor's move is 65 km. Calculate the total cost of her removal. **(2)**

.....

(b) The total cost is shared equally between 3 flatmates. Calculate how much each flatmate pays, giving your answer to the nearest penny. **(2)**

.....

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Mark scheme · 2.2 Four Operations (Worded): Test Pack

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

Question 1

42 cao **B1**

Answer: 42 marbles

Question 2

(a) £1.40 cao **B1**

(a) Answer: £1.40

(b) £4.59 ft from (a) **B1**

(b) Answer: £4.59

(c) £0.41 ft from (b) **B1**

(c) Answer: 41p

Question 3

correct option D (94) cao **B1**

Answer: D) 94

Question 4

correct option E (162) cao **B1**

Answer: E) 162

Question 5

correct option B (648) cao **B1**

Answer: B) 648

Question 6

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

Answer: C) 6

Question 7

correct option E (86) cao **B1**

Answer: E) 86

Question 8

correct option D (26,840) cao **B1**

Answer: D) 26,840

Question 9

correct option A (52) cao **B1**

Answer: A) 52

Question 10

correct option C (256) cao **B1**

Answer: C) 256

Question 11

correct option A (49) cao **B1**

Answer: A) 49

Question 12

correct option B (9) cao **B1**

Answer: B) 9

Question 13

correct option B (113) cao **B1**

Answer: B) 113

Question 14

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

Answer: C) 6

Question 15

correct option E (89) cao **B1**

Answer: E) 89

Question 16

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

Answer: D) 58

Question 17

correct option B (30) cao **B1**

Answer: B) 30

Question 18

correct option B (102) cao **B1**

Answer: B) 102

Question 19

correct option D (52) cao **B1**

Answer: D) 52

Question 20

correct option B (25) cao **B1**

Answer: B) 25

Question 21

correct option A (45) cao **B1**

Answer: A) 45

Question 22

correct option C (55) cao **B1**

Answer: C) 55

Question 23

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

Answer: E) 41

Question 24

correct option A (205) cao **B1**

Answer: A) 205

Question 25

correct option E (348) cao **B1**

Answer: E) 348

Question 26

correct option A (95) cao **B1**

Answer: A) 95

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Question 27

correct option C (119) cao **B1**

Answer: C) 119

Question 28

correct option B (376) cao **B1**

Answer: B) 376

Question 29

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

Answer: C) 6

Question 30

correct option B (45) cao **B1**

Answer: B) 45

Question 31

correct option C (28) cao **B1**

Answer: C) 28

Question 32

correct option C (3) cao **B1**

Answer: C) 3

Question 33

correct option A (23) cao **B1**

Answer: A) 23

Question 34

correct option E (14) cao **B1**

Answer: E) 14

Question 35

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

Answer: B) 289

Question 36

correct option D (69) cao **B1**

Answer: D) 69

Question 37

correct option D (221) cao **B1**

Answer: D) 221

Question 38

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

Answer: B) 84

Question 39

correct option D (85) cao **B1**

Answer: D) 85

Question 40

(a) 80 (km/h) cao **B1**

(a) Answer: 80 km/h

(b) 80 x 5, ft from (a) **M1**

(b) 400 (km) cao **A1**

(b) Answer: 400 km

Question 41

correct option E (80) cao **B1**

Answer: E) 80

Question 42

correct option E (253) cao **B1**

Answer: E) 253

Question 43

correct option A (43) cao **B1**

Answer: A) 43

Question 44

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

Answer: E) 8

Question 45

correct option A (62) cao **B1**

Answer: A) 62

Question 46

correct option D (497) cao **B1**

Answer: D) 497

Question 47

(a) 28,750 + 31,205 + 29,846 seen, or a complete method with at most one arithmetic slip **M1**

(a) 89,801 cao **A1**

(a) Answer: 89,801

(b) 3 x 32,400 (= 97,200) seen, and subtracts the total from (a), ft from (a) **M1**

(b) 7,399 cao **A1**

(b) Answer: 7,399

Question 48

(a) 3458 / 24 (= 144.0...) seen **M1**

(a) 144 cao (rounded down, not up) **A1**

(a) Answer: 144 cartons

(b) 3458 - (144 x 24), ft from (a) **M1**

(b) 2 cao **A1**

(b) Answer: 2 magazines

Question 49

(a) 45 + 2.80 x 65 with a correct method for 2.80 x 65 **M1**

(a) £227.00 cao **A1**

(a) Answer: £227.00

(b) 227.00 / 3, ft from (a) **M1**

(b) £75.67 awrt **A1**

(b) Answer: £75.67

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