2.16 Mental Arithmetic Paper 1: 1-hour Pack

GL ASSESSMENT EP.M16 · Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Administrator note: read each question aloud once only. Allow 10-15 seconds for pupils to write their answer in the box before moving on to the next question. Do not repeat any question and do not allow calculators.

1 Work out 3,897 + 2,568.

- ☐ A) 6,465
- ☐ B) 6,455
- ☐ C) 1,329
- ☐ D) 5,355
- ☐ E) 6,365

---

2 Work out 1,270 - 131.

- ☐ A) 1,401
- ☐ B) 1,239
- ☐ C) 1,149
- ☐ D) 1,139
- ☐ E) 1,141

---

3 Work out 184 + 24.

- ☐ A) 160
- ☐ B) 218
- ☐ C) 108
- ☐ D) 208
- ☐ E) 209

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4 Work out 6,585 + 2,971.

- ☐ A) 9,556
- ☐ B) 9,456
- ☐ C) 9,566
- ☐ D) 9,555
- ☐ E) 8,456

---

5 Work out 1,245 + 476.

- ☐ A) 769
- ☐ B) 1,721
- ☐ C) 1,731
- ☐ D) 1,621
- ☐ E) 1,611

---

6 Work out 144 - 10.

- ☐ A) 133
- ☐ B) 124
- ☐ C) 134
- ☐ D) 234
- ☐ E) 144

---

7 Work out 5,499 + 834.

- ☐ A) 6,333
- ☐ B) 6,332
- ☐ C) 5,223
- ☐ D) 6,233
- ☐ E) 6,323

---

8 Work out 865 - 768.

- ☐ A) 103
- ☐ B) 97
- ☐ C) 107
- ☐ D) 1,633
- ☐ E) 87

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9 Work out 46 + 68.

- [ ] A) 124
- [ ] B) 14
- [ ] C) 4
- [ ] D) 113
- [ ] E) 114

---

10 Work out 807 + 808.

- [ ] A) 1,605
- [ ] B) 1
- [ ] C) 1,715
- [ ] D) 1,615
- [ ] E) 605

---

11 Work out 6,142 - 916.

- [ ] A) 6,834
- [ ] B) 5,236
- [ ] C) 5,226
- [ ] D) 7,058
- [ ] E) 5,216

---

12 Work out 1,364 - 828.

- [ ] A) 2,192
- [ ] B) 1,544
- [ ] C) 546
- [ ] D) 536
- [ ] E) 535

---

13 Work out 38 - 16.

- [ ] A) 12
- [ ] B) 22
- [ ] C) 122
- [ ] D) 21
- [ ] E) 32

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14 Work out 7,023 - 2,699.

- ☐ A) 5,676
- ☐ B) 4,314
- ☐ C) 4,334
- ☐ D) 4,323
- ☐ E) 4,324

---

15 Work out 197 + 20.

- ☐ A) 207
- ☐ B) 117
- ☐ C) 217
- ☐ D) 227
- ☐ E) 218

---

16 Work out 82 - 35.

(1)

---

17 Work out 130 + 17.

- ☐ A) 157
- ☐ B) 147
- ☐ C) 146
- ☐ D) 137
- ☐ E) 247

---

18 Work out 1,387 - 240.

- ☐ A) 1,157
- ☐ B) 1,627
- ☐ C) 1,147
- ☐ D) 1,137
- ☐ E) 1,146

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19 Work out 2,532 + 1,314.

- [ ] A) 3,846
- [ ] B) 3,946
- [ ] C) 3,847
- [ ] D) 3,845
- [ ] E) 3,856

---

20 Work out 136 + 72.

- [ ] A) 108
- [ ] B) 218
- [ ] C) 64
- [ ] D) 209
- [ ] E) 208

---

21 Work out 1,514 - 603.

- [ ] A) 921
- [ ] B) 1,111
- [ ] C) 911
- [ ] D) 2,117
- [ ] E) 901

---

22 Work out 4,022 + 4,345.

- [ ] A) 8,377
- [ ] B) 323
- [ ] C) 8,357
- [ ] D) 8,467
- [ ] E) 8,367

---

23 Work out 453 + 319.

- [ ] A) 872
- [ ] B) 762
- [ ] C) 771
- [ ] D) 772
- [ ] E) 134

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24 Work out 39 + 12.

- [ ] A) 61
- [ ] B) 51
- [ ] C) 41
- [ ] D) 50
- [ ] E) 151

---

25 Work out 2,994 + 1,869.

- [ ] A) 4,863
- [ ] B) 3,753
- [ ] C) 4,873
- [ ] D) 4,763
- [ ] E) 1,125

---

26 Work out 40 - 13.

- [ ] A) 27
- [ ] B) 17
- [ ] C) 33
- [ ] D) 37
- [ ] E) 28

---

27 Work out 865 - 195.

- [ ] A) 660
- [ ] B) 680
- [ ] C) 669
- [ ] D) 730
- [ ] E) 670

---

28 Work out 2,480 - 493.

- [ ] A) 1,988
- [ ] B) 2,087
- [ ] C) 1,987
- [ ] D) 2,013
- [ ] E) 1,997

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29 Work out 130 + 12.

- ☐ A) 242
- ☐ B) 142
- ☐ C) 141
- ☐ D) 118
- ☐ E) 152

---

30 Work out 537 + 690.

- ☐ A) 1,227
- ☐ B) 153
- ☐ C) 1,217
- ☐ D) 1,127
- ☐ E) 127

---

31 Work out 6,943 - 1,059.

- ☐ A) 5,894
- ☐ B) 5,874
- ☐ C) 5,984
- ☐ D) 5,884
- ☐ E) 5,916

---

32 It is quarter to 9. What time was it 40 minutes ago?

(1)

---

33 Work out 1,550 - 213.

- ☐ A) 1,763
- ☐ B) 1,336
- ☐ C) 1,337
- ☐ D) 1,347
- ☐ E) 1,343

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34 Work out 43 + 50.

- [ ] A) 103
- [ ] B) 93
- [ ] C) 83
- [ ] D) 193
- [ ] E) 94

---

35 Work out 1,534 + 172.

- [ ] A) 1,606
- [ ] B) 1,696
- [ ] C) 1,716
- [ ] D) 1,706
- [ ] E) 1,705

---

36 Work out 5,497 - 2,089.

- [ ] A) 3,408
- [ ] B) 3,418
- [ ] C) 3,508
- [ ] D) 7,586
- [ ] E) 3,412

---

37 Work out 546 - 417.

- [ ] A) 139
- [ ] B) 130
- [ ] C) 131
- [ ] D) 128
- [ ] E) 129

---

38 Work out 141 - 57.

- [ ] A) 116
- [ ] B) 83
- [ ] C) 84
- [ ] D) 94
- [ ] E) 198

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39 Work out 1,028 + 1,215.

- [ ] A) 2,343
- [ ] B) 2,253
- [ ] C) 2,244
- [ ] D) 2,233
- [ ] E) 2,243

---

40 Work out 852 - 283.

- [ ] A) 579
- [ ] B) 631
- [ ] C) 1,135
- [ ] D) 569
- [ ] E) 568

---

41 Work out 83 - 74.

- [ ] A) 9
- [ ] B) 109
- [ ] C) 11
- [ ] D) 157
- [ ] E) 19

---

42 Work out 6,655 + 1,340.

- [ ] A) 7,996
- [ ] B) 7,995
- [ ] C) 5,315
- [ ] D) 8,005
- [ ] E) 8,095

---

43 Work out 932 - 109.

- [ ] A) 837
- [ ] B) 1,041
- [ ] C) 823
- [ ] D) 833
- [ ] E) 813

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44 Work out 169 - 12.

- [ ] A) 257
- [ ] B) 147
- [ ] C) 156
- [ ] D) 167
- [ ] E) 157

---

45 Work out 5,002 + 2,506.

- [ ] A) 7,507
- [ ] B) 7,608
- [ ] C) 7,518
- [ ] D) 7,508
- [ ] E) 7,509

---

46 Work out 1,465 + 232.

- [ ] A) 1,697
- [ ] B) 1,687
- [ ] C) 1,797
- [ ] D) 1,707
- [ ] E) 1,233

---

47 Work out 131 + 39.

- [ ] A) 270
- [ ] B) 170
- [ ] C) 160
- [ ] D) 169
- [ ] E) 171

---

48 Work out 1,329 + 858.

- [ ] A) 2,287
- [ ] B) 2,186
- [ ] C) 1,177
- [ ] D) 2,187
- [ ] E) 2,197

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49 Work out 5,027 - 4,109.

- [ ] A) 918
- [ ] B) 1,018
- [ ] C) 1,122
- [ ] D) 917
- [ ] E) 928

---

50 Work out 143 - 64.

- [ ] A) 89
- [ ] B) 207
- [ ] C) 121
- [ ] D) 78
- [ ] E) 79

---

51 Work out 993 - 598.

- [ ] A) 394
- [ ] B) 1,591
- [ ] C) 395
- [ ] D) 385
- [ ] E) 405

---

52 Work out 129 - 10.

- [ ] A) 109
- [ ] B) 118
- [ ] C) 119
- [ ] D) 129
- [ ] E) 139

---

53 Work out 1,745 - 226.

- [ ] A) 1,529
- [ ] B) 1,519
- [ ] C) 1,619
- [ ] D) 1,521
- [ ] E) 1,520

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54 Work out 65 - 60.

- [ ] A) 5
- [ ] B) 105
- [ ] C) 15
- [ ] D) 125
- [ ] E) -5

---

55 Work out 3,702 + 1,848.

- [ ] A) 4,540
- [ ] B) 1,854
- [ ] C) 5,540
- [ ] D) 5,550
- [ ] E) 5,650

---

56 Work out 145 + 54.

- [ ] A) 199
- [ ] B) 91
- [ ] C) 299
- [ ] D) 200
- [ ] E) 209

---

57 Work out 176 - 24.

- [ ] A) 151
- [ ] B) 152
- [ ] C) 162
- [ ] D) 142
- [ ] E) 153

---

58 Work out 8,270 - 1,228.

- [ ] A) 9,498
- [ ] B) 7,032
- [ ] C) 7,042
- [ ] D) 7,052
- [ ] E) 7,058

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59 Work out 3,065 + 4,438.

- ☐ A) 7,502
- ☐ B) 7,513
- ☐ C) 7,493
- ☐ D) 7,403
- ☐ E) 7,503

---

60 Work out 5,124 - 538.

- ☐ A) 5,414
- ☐ B) 4,586
- ☐ C) 4,576
- ☐ D) 4,585
- ☐ E) 4,596

---

61 Work out 6,002 - 905.

- ☐ A) 5,097
- ☐ B) 5,087
- ☐ C) 6,903
- ☐ D) 5,096
- ☐ E) 5,107

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62 Find half of 150.

(1)

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63 A packet of crisps costs 55p. How much do 4 packets cost?

(1)

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64 Double 34.

(1)

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Mark scheme · 2.16 Mental Arithmetic Paper 1: 1-hour Pack

Question 1

correct option A (6,465) cao **B1**

Answer: A) 6,465

Question 2

correct option D (1,139) cao **B1**

Answer: D) 1,139

Question 3

correct option D (208) cao **B1**

Answer: D) 208

Question 4

correct option A (9,556) cao **B1**

Answer: A) 9,556

Question 5

correct option B (1,721) cao **B1**

Answer: B) 1,721

Question 6

correct option C (134) cao **B1**

Answer: C) 134

Question 7

correct option A (6,333) cao **B1**

Answer: A) 6,333

Question 8

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

Answer: B) 97

Question 9

correct option E (114) cao **B1**

Answer: E) 114

Question 10

correct option D (1,615) cao **B1**

Answer: D) 1,615

Question 11

correct option C (5,226) cao **B1**

Answer: C) 5,226

Question 12

correct option D (536) cao **B1**

Answer: D) 536

Question 13

correct option B (22) cao **B1**

Answer: B) 22

Question 14

correct option E (4,324) cao **B1**

Answer: E) 4,324

Question 15

correct option C (217) cao **B1**

Answer: C) 217

Question 16

47 cao **B1**

Answer: 47

Question 17

correct option B (147) cao **B1**

Answer: B) 147

Question 18

correct option C (1,147) cao **B1**

Answer: C) 1,147

Question 19

correct option A (3,846) cao **B1**

Answer: A) 3,846

Question 20

correct option E (208) cao **B1**

Answer: E) 208

Question 21

correct option C (911) cao **B1**

Answer: C) 911

Question 22

correct option E (8,367) cao **B1**

Answer: E) 8,367

Question 23

correct option D (772) cao **B1**

Answer: D) 772

Question 24

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

Answer: B) 51

Question 25

correct option A (4,863) cao **B1**

Answer: A) 4,863

Question 26

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

Answer: A) 27

Question 27

correct option E (670) cao **B1**

Answer: E) 670

Question 28

correct option C (1,987) cao **B1**

Answer: C) 1,987

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Question 29

correct option B (142) cao **B1**

Answer: B) 142

Question 30

correct option A (1,227) cao **B1**

Answer: A) 1,227

Question 31

correct option D (5,884) cao **B1**

Answer: D) 5,884

Question 32

8:05 oe (5 minutes past 8) **B1**

Answer: 5 minutes past 8 (8:05)

Question 33

correct option C (1,337) cao **B1**

Answer: C) 1,337

Question 34

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

Answer: B) 93

Question 35

correct option D (1,706) cao **B1**

Answer: D) 1,706

Question 36

correct option A (3,408) cao **B1**

Answer: A) 3,408

Question 37

correct option E (129) cao **B1**

Answer: E) 129

Question 38

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

Answer: C) 84

Question 39

correct option E (2,243) cao **B1**

Answer: E) 2,243

Question 40

correct option D (569) cao **B1**

Answer: D) 569

Question 41

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

Answer: A) 9

Question 42

correct option B (7,995) cao **B1**

Answer: B) 7,995

Question 43

correct option C (823) cao **B1**

Answer: C) 823

Question 44

correct option E (157) cao **B1**

Answer: E) 157

Question 45

correct option D (7,508) cao **B1**

Answer: D) 7,508

Question 46

correct option A (1,697) cao **B1**

Answer: A) 1,697

Question 47

correct option B (170) cao **B1**

Answer: B) 170

Question 48

correct option D (2,187) cao **B1**

Answer: D) 2,187

Question 49

correct option A (918) cao **B1**

Answer: A) 918

Question 50

correct option E (79) cao **B1**

Answer: E) 79

Question 51

correct option C (395) cao **B1**

Answer: C) 395

Question 52

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

Answer: C) 119

Question 53

correct option B (1,519) cao **B1**

Answer: B) 1,519

Question 54

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

Answer: A) 5

Question 55

correct option D (5,550) cao **B1**

Answer: D) 5,550

Question 56

correct option A (199) cao **B1**

Answer: A) 199

Question 57

correct option B (152) cao **B1**

Answer: B) 152

Question 58

correct option C (7,042) cao **B1**

Answer: C) 7,042

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Question 59

correct option E (7,503) cao **B1**

Answer: E) 7,503

Question 60

correct option B (4,586) cao **B1**

Answer: B) 4,586

Question 61

correct option A (5,097) cao **B1**

Answer: A) 5,097

Question 62

75 cao **B1**

Answer: 75

Question 63

£2.20 cao **B1**

Answer: £2.20

Question 64

68 cao **B1**

Answer: 68

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