2.57-4 Number Puzzles and Logic Set D: 2-hour Pack

GL ASSESSMENT GL · Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Tariq and Priya have 73 stickers between them. Tariq has 1 more than Priya. How many does Priya have?

- ☐ A) 36.5
- ☐ B) 35
- ☐ C) 37
- ☐ D) 36
- ☐ E) 74

---

2 Noah and Sana have 57 marbles between them. Noah has 15 more than Sana. How many does Noah have?

- ☐ A) 36
- ☐ B) 28.5
- ☐ C) 18
- ☐ D) 37
- ☐ E) 21

---

3 The sum of 4 consecutive numbers is 34. What is the smallest of the 4 numbers?

- ☐ A) 8.5
- ☐ B) 6
- ☐ C) 7
- ☐ D) 8
- ☐ E) 10

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4 Noah and Mei have £60 between them. Noah has £12 more than Mei. How much money does Noah have, in pounds?

- [ ] A) 24
- [ ] B) 37
- [ ] C) 30
- [ ] D) 48
- [ ] E) 36

---

5 The sum of 4 consecutive even numbers is 116. What is the smallest of the 4 numbers?

- [ ] A) 32
- [ ] B) 26
- [ ] C) 29
- [ ] D) 27
- [ ] E) 25

---

6 Dylan and Kwame have £53 between them. Dylan has £23 more than Kwame. How much money does Kwame have, in pounds?

- [ ] A) 19
- [ ] B) 38
- [ ] C) 26.5
- [ ] D) 14
- [ ] E) 15

---

7 The sum of 5 consecutive numbers is 35. What is the largest of the 5 numbers?

- [ ] A) 5
- [ ] B) 12
- [ ] C) 9
- [ ] D) 7
- [ ] E) 10

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8 The sum of 5 consecutive numbers is 90. What is the largest of the 5 numbers?

- ☐ A) 20
- ☐ B) 18
- ☐ C) 21
- ☐ D) 23
- ☐ E) 16

---

9 Mei and Fatima have 30 points between them. Mei has 2 more than Fatima. How many does Fatima have?

- ☐ A) 2
- ☐ B) 15
- ☐ C) 14
- ☐ D) 16
- ☐ E) 8

---

10 The sum of 3 consecutive numbers is 57. What is the largest of the 3 numbers?

- ☐ A) 18
- ☐ B) 22
- ☐ C) 21
- ☐ D) 20
- ☐ E) 19

---

11 Grace and Arjun have 31 marbles between them. Grace has 19 more than Arjun. How many does Arjun have?

- ☐ A) 25
- ☐ B) 6
- ☐ C) 5
- ☐ D) 7
- ☐ E) 15.5

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12 The sum of 4 consecutive numbers is 34. What is the largest of the 4 numbers?

- [ ] A) 10
- [ ] B) 11
- [ ] C) 7
- [ ] D) 12.5
- [ ] E) 8.5

---

13 Lily and Sienna have 33 points between them. Lily has 13 more than Sienna. How many does Lily have?

- [ ] A) 10
- [ ] B) 22
- [ ] C) 16.5
- [ ] D) 24
- [ ] E) 23

---

14 Ravi and Mei have 64 points between them. Ravi has 38 more than Mei. How many does Ravi have?

- [ ] A) 52
- [ ] B) 32
- [ ] C) 51
- [ ] D) 25.5
- [ ] E) 13

---

15 The sum of 5 consecutive numbers is 225. What is the smallest of the 5 numbers?

- [ ] A) 45
- [ ] B) 50
- [ ] C) 56.25
- [ ] D) 43
- [ ] E) 47

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16 Ewan and Aisha have 81 marbles between them. Ewan has 7 more than Aisha. How many does Ewan have?

- [ ] A) 74
- [ ] B) 45
- [ ] C) 44
- [ ] D) 40.5
- [ ] E) 37

---

17 The sum of 4 consecutive numbers is 62. What is the smallest of the 4 numbers?

- [ ] A) 14
- [ ] B) 15.5
- [ ] C) 13
- [ ] D) 19.5
- [ ] E) 17

---

18 Callum and Hamza have 66 marbles between them. Callum has 42 more than Hamza. How many does Callum have?

- [ ] A) 55
- [ ] B) 24
- [ ] C) 33
- [ ] D) 12
- [ ] E) 54

---

19 The sum of 4 consecutive numbers is 54. What is the largest of the 4 numbers?

- [ ] A) 13.5
- [ ] B) 15
- [ ] C) 18
- [ ] D) 14
- [ ] E) 12

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20 Ewan and Mei have 66 marbles between them. Ewan has 34 more than Mei. How many does Mei have?

- [ ] A) 100
- [ ] B) 33
- [ ] C) 17
- [ ] D) 16
- [ ] E) 50

---

21 The sum of 5 consecutive numbers is 190. What is the smallest of the 5 numbers?

- [ ] A) 38
- [ ] B) 43
- [ ] C) 40
- [ ] D) 47.5
- [ ] E) 36

---

22 Ethan and Hamza have 74 points between them. Ethan has 12 more than Hamza. How many does Hamza have?

- [ ] A) 31
- [ ] B) 12
- [ ] C) 37
- [ ] D) 21.5
- [ ] E) 43

---

23 The sum of 3 consecutive odd numbers is 111. What is the largest of the 3 numbers?

- [ ] A) 41
- [ ] B) 55.5
- [ ] C) 39
- [ ] D) 35
- [ ] E) 37

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24 Tom and Leo have 58 points between them. Tom has 24 more than Leo. How many does Leo have?

- [ ] A) 18
- [ ] B) 29
- [ ] C) 20.5
- [ ] D) 41
- [ ] E) 17

---

25 The sum of 5 consecutive even numbers is 70. What is the smallest of the 5 numbers?

- [ ] A) 10
- [ ] B) 18
- [ ] C) 11
- [ ] D) 17.5
- [ ] E) 14

---

26 Fatima and Ffion have 57 points between them. Fatima has 23 more than Ffion. How many does Ffion have?

- [ ] A) 28.5
- [ ] B) 23
- [ ] C) 17
- [ ] D) 40
- [ ] E) 16

---

27 Priya and Chloe have 71 marbles between them. Priya has 49 more than Chloe. How many does Priya have?

- [ ] A) 59
- [ ] B) 11
- [ ] C) 35.5
- [ ] D) 60
- [ ] E) 61

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28 The sum of 4 consecutive numbers is 98. What is the largest of the 4 numbers?

- [ ] A) 28.5
- [ ] B) 24.5
- [ ] C) 23
- [ ] D) 26
- [ ] E) 27

---

29 Anya and Hamza have £53 between them. Anya has £27 more than Hamza. How much money does Anya have, in pounds?

- [ ] A) 40
- [ ] B) 26.5
- [ ] C) 41
- [ ] D) 13
- [ ] E) 20

---

30 The sum of 3 consecutive even numbers is 162. What is the smallest of the 3 numbers?

- [ ] A) 53
- [ ] B) 52
- [ ] C) 57
- [ ] D) 54
- [ ] E) 56

---

31 Anya and Ben have 15 points between them. Anya has 5 more than Ben. How many does Ben have?

- [ ] A) 4
- [ ] B) 7.5
- [ ] C) 5
- [ ] D) 10
- [ ] E) 6

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32 The sum of 3 consecutive even numbers is 144. What is the largest of the 3 numbers?

- ☐ A) 72
- ☐ B) 51
- ☐ C) 46
- ☐ D) 48
- ☐ E) 50

---

33 The sum of 4 consecutive numbers is 198. What is the smallest of the 4 numbers?

- ☐ A) 49.5
- ☐ B) 51
- ☐ C) 66
- ☐ D) 47
- ☐ E) 48

---

34 Lily and Ethan have 63 stickers between them. Lily has 23 more than Ethan. How many does Lily have?

- ☐ A) 20
- ☐ B) 23
- ☐ C) 31.5
- ☐ D) 43
- ☐ E) 21.5

---

35 The sum of 4 consecutive numbers is 234. What is the largest of the 4 numbers?

- ☐ A) 60
- ☐ B) 59
- ☐ C) 57
- ☐ D) 58.5
- ☐ E) 78

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36 The sum of 5 consecutive numbers is 25. What is the largest of the 5 numbers?

- [ ] A) 7
- [ ] B) 5
- [ ] C) 10
- [ ] D) 3
- [ ] E) 6.25

---

37 Dylan and Priya have £49 between them. Dylan has £33 more than Priya. How much money does Priya have, in pounds?

- [ ] A) 33
- [ ] B) 41
- [ ] C) 24.5
- [ ] D) 20.5
- [ ] E) 8

---

38 Megan and Ewan have 83 stickers between them. Megan has 37 more than Ewan. How many does Megan have?

- [ ] A) 30
- [ ] B) 23
- [ ] C) 60
- [ ] D) 59
- [ ] E) 41.5

---

39 The sum of 5 consecutive numbers is 145. What is the largest of the 5 numbers?

- [ ] A) 30
- [ ] B) 27
- [ ] C) 32
- [ ] D) 31
- [ ] E) 29

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40 Isla and Yusuf have 54 marbles between them. Isla has 2 more than Yusuf. How many does Isla have?

- [ ] A) 29
- [ ] B) 26
- [ ] C) 28
- [ ] D) 2
- [ ] E) 27

---

41 The sum of 3 consecutive numbers is 111. What is the smallest of the 3 numbers?

- [ ] A) 40
- [ ] B) 37
- [ ] C) 38
- [ ] D) 35
- [ ] E) 36

---

42 Yusuf and Callum have 72 stickers between them. Yusuf has 16 more than Callum. How many does Yusuf have?

- [ ] A) 44
- [ ] B) 45
- [ ] C) 43
- [ ] D) 28
- [ ] E) 36

---

43 The sum of 4 consecutive even numbers is 212. What is the smallest of the 4 numbers?

- [ ] A) 56
- [ ] B) 50
- [ ] C) 53
- [ ] D) 48
- [ ] E) 57

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44 Aisha and Harry have 60 marbles between them. Aisha has 6 more than Harry. How many does Aisha have?

- [ ] A) 27
- [ ] B) 16.5
- [ ] C) 30
- [ ] D) 33
- [ ] E) 6

---

45 Jack and Ffion have £21 between them. Jack has £7 more than Ffion. How much money does Jack have, in pounds?

- [ ] A) 7
- [ ] B) 10.5
- [ ] C) 13
- [ ] D) 14
- [ ] E) 15

---

46 The sum of 5 consecutive numbers is 205. What is the largest of the 5 numbers?

- [ ] A) 41
- [ ] B) 51.25
- [ ] C) 42
- [ ] D) 43
- [ ] E) 39

---

47 Ewan and Rhys have 50 marbles between them. Ewan has 18 more than Rhys. How many does Rhys have?

- [ ] A) 16
- [ ] B) 25
- [ ] C) 15
- [ ] D) 34
- [ ] E) 18

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48 The sum of 3 consecutive numbers is 24. What is the smallest of the 3 numbers?

- ☐ A) 12
- ☐ B) 6
- ☐ C) 7
- ☐ D) 8
- ☐ E) 9

---

49 Megan and Noah have 30 points between them. Megan has 2 more than Noah. How many does Megan have?

- ☐ A) 14
- ☐ B) 16
- ☐ C) 28
- ☐ D) 8
- ☐ E) 15

---

50 The sum of 4 consecutive numbers is 50. What is the largest of the 4 numbers?

- ☐ A) 12.5
- ☐ B) 11
- ☐ C) 15
- ☐ D) 14
- ☐ E) 13

---

51 The sum of 5 consecutive numbers is 275. What is the smallest of the 5 numbers?

- ☐ A) 53
- ☐ B) 55
- ☐ C) 57
- ☐ D) 54
- ☐ E) 60

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52 Sienna and Tom have 53 stickers between them. Sienna has 13 more than Tom. How many does Sienna have?

- [ ] A) 40
- [ ] B) 33
- [ ] C) 16.5
- [ ] D) 20
- [ ] E) 26.5

---

53 The sum of 5 consecutive numbers is 105. What is the smallest of the 5 numbers?

- [ ] A) 23
- [ ] B) 20
- [ ] C) 26.25
- [ ] D) 21
- [ ] E) 19

---

54 Poppy and Jack have £78 between them. Poppy has £42 more than Jack. How much money does Jack have, in pounds?

- [ ] A) 42
- [ ] B) 18
- [ ] C) 39
- [ ] D) 17
- [ ] E) 60

---

55 The sum of 4 consecutive numbers is 86. What is the largest of the 4 numbers?

- [ ] A) 25.5
- [ ] B) 21.5
- [ ] C) 20
- [ ] D) 24
- [ ] E) 23

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56 Harry and Tariq have 46 stickers between them. Harry has 34 more than Tariq. How many does Tariq have?

- [ ] A) 34
- [ ] B) 80
- [ ] C) 40
- [ ] D) 6
- [ ] E) 23

---

57 Declan and Imogen have 62 marbles between them. Declan has 28 more than Imogen. How many does Imogen have?

- [ ] A) 17
- [ ] B) 31
- [ ] C) 28
- [ ] D) 90
- [ ] E) 45

---

58 The sum of 4 consecutive numbers is 222. What is the largest of the 4 numbers?

- [ ] A) 74
- [ ] B) 54
- [ ] C) 58
- [ ] D) 57
- [ ] E) 55.5

---

59 Priya and Hamza have 83 marbles between them. Priya has 7 more than Hamza. How many does Priya have?

- [ ] A) 38
- [ ] B) 46
- [ ] C) 76
- [ ] D) 41.5
- [ ] E) 45

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60 Oliver and Poppy have £39 between them. Oliver has £19 more than Poppy. How much money does Oliver have, in pounds?

- [ ] A) 30
- [ ] B) 20
- [ ] C) 10
- [ ] D) 29
- [ ] E) 19.5

---

61 The sum of 4 consecutive numbers is 26. What is the largest of the 4 numbers?

- [ ] A) 9
- [ ] B) 10.5
- [ ] C) 6.5
- [ ] D) 5
- [ ] E) 8

---

62 Jack and Poppy have 24 marbles between them. Jack has 12 more than Poppy. How many does Jack have?

- [ ] A) 18
- [ ] B) 9
- [ ] C) 17
- [ ] D) 6
- [ ] E) 12

---

63 Grace and Niamh have 33 marbles between them. Grace has 9 more than Niamh. How many does Niamh have?

- [ ] A) 21
- [ ] B) 11
- [ ] C) 12
- [ ] D) 10.5
- [ ] E) 16.5

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64 The sum of 5 consecutive numbers is 155. What is the smallest of the 5 numbers?

- ☐ A) 33
- ☐ B) 30
- ☐ C) 29
- ☐ D) 28
- ☐ E) 31

---

65 Grace and Ravi have 66 marbles between them. Grace has 10 more than Ravi. How many does Grace have?

- ☐ A) 38
- ☐ B) 56
- ☐ C) 28
- ☐ D) 33
- ☐ E) 19

---

66 The sum of 4 consecutive numbers is 82. What is the largest of the 4 numbers?

- ☐ A) 23
- ☐ B) 19
- ☐ C) 24.5
- ☐ D) 22
- ☐ E) 20.5

---

67 Hamza and Kwame have 22 marbles between them. Hamza has 18 more than Kwame. How many does Hamza have?

- ☐ A) 11
- ☐ B) 20
- ☐ C) 4
- ☐ D) 2
- ☐ E) 19

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68 The sum of 5 consecutive numbers is 155. What is the largest of the 5 numbers?

- [ ] A) 34
- [ ] B) 31
- [ ] C) 29
- [ ] D) 38.75
- [ ] E) 33

---

69 The sum of 5 consecutive numbers is 260. What is the smallest of the 5 numbers?

- [ ] A) 54
- [ ] B) 50
- [ ] C) 57
- [ ] D) 52
- [ ] E) 65

---

70 Tariq and Priya have £79 between them. Tariq has £5 more than Priya. How much money does Tariq have, in pounds?

- [ ] A) 42
- [ ] B) 39.5
- [ ] C) 37
- [ ] D) 5
- [ ] E) 21

---

71 The sum of 4 consecutive even numbers is 132. What is the smallest of the 4 numbers?

- [ ] A) 37
- [ ] B) 33
- [ ] C) 44
- [ ] D) 36
- [ ] E) 30

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72 Esme and Lily have 65 stickers between them. Esme has 53 more than Lily. How many does Esme have?

- [ ] A) 32.5
- [ ] B) 53
- [ ] C) 59
- [ ] D) 6
- [ ] E) 29.5

---

73 The sum of 4 consecutive numbers is 110. What is the largest of the 4 numbers?

- [ ] A) 29
- [ ] B) 26
- [ ] C) 31.5
- [ ] D) 27.5
- [ ] E) 30

---

74 Fatima and Oliver have 67 points between them. Fatima has 35 more than Oliver. How many does Fatima have?

- [ ] A) 35
- [ ] B) 52
- [ ] C) 51
- [ ] D) 33.5
- [ ] E) 16

---

75 Ffion and Megan have 32 points between them. Ffion has 2 more than Megan. How many does Ffion have?

- [ ] A) 18
- [ ] B) 2
- [ ] C) 15
- [ ] D) 16
- [ ] E) 17

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76 The sum of 3 consecutive odd numbers is 63. What is the largest of the 3 numbers?

- ☐ A) 31.5
- ☐ B) 23
- ☐ C) 21
- ☐ D) 24
- ☐ E) 19

---

77 Ben and Poppy have 56 marbles between them. Ben has 32 more than Poppy. How many does Ben have?

- ☐ A) 45
- ☐ B) 28
- ☐ C) 12
- ☐ D) 44
- ☐ E) 43

---

78 The sum of 4 consecutive numbers is 202. What is the largest of the 4 numbers?

- ☐ A) 52
- ☐ B) 54.5
- ☐ C) 50.5
- ☐ D) 51
- ☐ E) 49

---

79 Fatima and Priya have 45 stickers between them. Fatima has 3 more than Priya. How many does Fatima have?

- ☐ A) 22.5
- ☐ B) 12
- ☐ C) 21
- ☐ D) 23
- ☐ E) 24

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80 The sum of 4 consecutive numbers is 242. What is the smallest of the 4 numbers?

- [ ] A) 60.5
- [ ] B) 59
- [ ] C) 58
- [ ] D) 64.5
- [ ] E) 62

---

81 The sum of 5 consecutive even numbers is 260. What is the smallest of the 5 numbers?

- [ ] A) 57
- [ ] B) 48
- [ ] C) 56
- [ ] D) 52
- [ ] E) 46

---

82 Declan and Sienna have £85 between them. Declan has £25 more than Sienna. How much money does Sienna have, in pounds?

- [ ] A) 42.5
- [ ] B) 55
- [ ] C) 30
- [ ] D) 110
- [ ] E) 27.5

---

83 The sum of 3 consecutive even numbers is 42. What is the largest of the 3 numbers?

- [ ] A) 15
- [ ] B) 18
- [ ] C) 12
- [ ] D) 16
- [ ] E) 14

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84 The sum of 3 consecutive numbers is 42. What is the smallest of the 3 numbers?

- [ ] A) 21
- [ ] B) 14
- [ ] C) 15
- [ ] D) 17
- [ ] E) 13

---

85 Dylan and Fatima have 44 points between them. Dylan has 18 more than Fatima. How many does Fatima have?

- [ ] A) 31
- [ ] B) 12
- [ ] C) 14
- [ ] D) 22
- [ ] E) 13

---

86 The sum of 5 consecutive numbers is 145. What is the smallest of the 5 numbers?

- [ ] A) 28
- [ ] B) 29
- [ ] C) 27
- [ ] D) 36.25
- [ ] E) 31

---

87 The sum of 3 consecutive even numbers is 108. What is the largest of the 3 numbers?

- [ ] A) 36
- [ ] B) 54
- [ ] C) 40
- [ ] D) 38
- [ ] E) 34

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88 Niamh and Poppy have 77 stickers between them. Niamh has 3 more than Poppy. How many does Poppy have?

- [ ] A) 37
- [ ] B) 38.5
- [ ] C) 80
- [ ] D) 36
- [ ] E) 40

---

89 The sum of 5 consecutive numbers is 45. What is the largest of the 5 numbers?

- [ ] A) 12
- [ ] B) 7
- [ ] C) 11
- [ ] D) 9
- [ ] E) 10

---

90 Fatima and Mei have 62 marbles between them. Fatima has 48 more than Mei. How many does Fatima have?

- [ ] A) 56
- [ ] B) 55
- [ ] C) 31
- [ ] D) 7
- [ ] E) 27.5

---

91 The sum of 3 consecutive even numbers is 156. What is the smallest of the 3 numbers?

- [ ] A) 50
- [ ] B) 52
- [ ] C) 54
- [ ] D) 51
- [ ] E) 49

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92 Yusuf and Poppy have 24 points between them. Yusuf has 6 more than Poppy. How many does Yusuf have?

- [ ] A) 12
- [ ] B) 7.5
- [ ] C) 9
- [ ] D) 15
- [ ] E) 18

---

93 Leo and Sienna have 52 points between them. Leo has 26 more than Sienna. How many does Sienna have?

- [ ] A) 26
- [ ] B) 12
- [ ] C) 19.5
- [ ] D) 13
- [ ] E) 39

---

94 The sum of 5 consecutive numbers is 120. What is the smallest of the 5 numbers?

- [ ] A) 21
- [ ] B) 24
- [ ] C) 26
- [ ] D) 23
- [ ] E) 22

---

95 Oliver and Megan have 35 marbles between them. Oliver has 19 more than Megan. How many does Megan have?

- [ ] A) 8
- [ ] B) 9
- [ ] C) 17.5
- [ ] D) 27
- [ ] E) 7

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96 The sum of 5 consecutive numbers is 250. What is the largest of the 5 numbers?

- ☐ A) 62.5
- ☐ B) 52
- ☐ C) 50
- ☐ D) 51
- ☐ E) 48

---

97 Four pupils - Amara, Callum, Diya and Jack - are queuing for the canteen.

1. Callum is directly behind Amara.
2. Jack is not first or last.
3. Diya is first.

Work out the order of the queue from first to last.

(3)

---

98 Rhys and Kofi have 49 points between them. Rhys has 29 more than Kofi. How many does Rhys have?

- ☐ A) 29
- ☐ B) 24.5
- ☐ C) 39
- ☐ D) 10
- ☐ E) 40

---

99 The sum of 4 consecutive numbers is 126. What is the largest of the 4 numbers?

- ☐ A) 32
- ☐ B) 30
- ☐ C) 34
- ☐ D) 31.5
- ☐ E) 33

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100 The sum of 5 consecutive odd numbers is 155. What is the largest of the 5 numbers?

- [ ] A) 35
- [ ] B) 27
- [ ] C) 37
- [ ] D) 36
- [ ] E) 31

---

101 Zainab and Maya have 55 stickers between them. Zainab has 11 more than Maya. How many does Maya have?

- [ ] A) 27.5
- [ ] B) 22
- [ ] C) 21
- [ ] D) 16.5
- [ ] E) 33

---

102 The sum of 4 consecutive numbers is 166. What is the largest of the 4 numbers?

- [ ] A) 42
- [ ] B) 45.5
- [ ] C) 40
- [ ] D) 43
- [ ] E) 41.5

---

103 Rhys and Hamza have 100 points between them. Rhys has 18 more than Hamza. How many does Rhys have?

- [ ] A) 59
- [ ] B) 29.5
- [ ] C) 50
- [ ] D) 18
- [ ] E) 41

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104 The sum of 3 consecutive numbers is 93. What is the largest of the 3 numbers?

- ☐ A) 31
- ☐ B) 32
- ☐ C) 30
- ☐ D) 46.5
- ☐ E) 34

---

105 Megan and Ravi have 71 marbles between them. Megan has 13 more than Ravi. How many does Ravi have?

- ☐ A) 13
- ☐ B) 35.5
- ☐ C) 29
- ☐ D) 21
- ☐ E) 42

---

106 The sum of 4 consecutive odd numbers is 56. What is the largest of the 4 numbers?

- ☐ A) 18
- ☐ B) 14
- ☐ C) 16
- ☐ D) 17
- ☐ E) 11

---

107 Poppy and Grace have 49 marbles between them. Poppy has 1 more than Grace. How many does Poppy have?

- ☐ A) 24.5
- ☐ B) 24
- ☐ C) 12.5
- ☐ D) 48
- ☐ E) 25

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108 The sum of 5 consecutive numbers is 40. What is the largest of the 5 numbers?

- [ ] A) 11
- [ ] B) 9
- [ ] C) 10
- [ ] D) 6
- [ ] E) 8

---

109 Ffion and Zainab have 79 marbles between them. Ffion has 37 more than Zainab. How many does Ffion have?

- [ ] A) 58
- [ ] B) 39.5
- [ ] C) 29
- [ ] D) 42
- [ ] E) 21

---

110 The sum of 3 consecutive numbers is 45. What is the smallest of the 3 numbers?

- [ ] A) 15
- [ ] B) 14
- [ ] C) 13
- [ ] D) 16
- [ ] E) 18

---

111 Noah and Chloe have £89 between them. Noah has £9 more than Chloe. How much money does Noah have, in pounds?

- [ ] A) 50
- [ ] B) 48
- [ ] C) 44.5
- [ ] D) 49
- [ ] E) 40

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112 The sum of 3 consecutive numbers is 39. What is the smallest of the 3 numbers?

- [ ] A) 11
- [ ] B) 19.5
- [ ] C) 14
- [ ] D) 13
- [ ] E) 12

---

113 Esme and Amara have 50 points between them. Esme has 18 more than Amara. How many does Esme have?

- [ ] A) 16
- [ ] B) 25
- [ ] C) 34
- [ ] D) 18
- [ ] E) 17

---

114 Tom and Maya have 87 points between them. Tom has 29 more than Maya. How many does Tom have?

- [ ] A) 59
- [ ] B) 58
- [ ] C) 57
- [ ] D) 29
- [ ] E) 43.5

---

115 The sum of 3 consecutive numbers is 141. What is the largest of the 3 numbers?

- [ ] A) 50
- [ ] B) 47
- [ ] C) 49
- [ ] D) 48
- [ ] E) 46

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116 Meera has only 50p and £1 coins in her purse. She has 12 coins in total, worth £8.50 altogether. How many 50p coins and how many £1 coins does she have?

(3)

---

117 Maya and Aisha have 88 points between them. Maya has 6 more than Aisha. How many does Maya have?

- ☐ A) 47
- ☐ B) 41
- ☐ C) 44
- ☐ D) 6
- ☐ E) 48

---

118 The sum of 5 consecutive numbers is 60. What is the smallest of the 5 numbers?

- ☐ A) 14
- ☐ B) 15
- ☐ C) 12
- ☐ D) 9
- ☐ E) 10

---

119 Poppy and Ravi have 17 marbles between them. Poppy has 9 more than Ravi. How many does Poppy have?

- ☐ A) 8.5
- ☐ B) 12
- ☐ C) 8
- ☐ D) 13
- ☐ E) 4

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120 The sum of 3 consecutive odd numbers is 159. What is the smallest of the 3 numbers?

- [ ] A) 51
- [ ] B) 53
- [ ] C) 50
- [ ] D) 49
- [ ] E) 55

---

121 The sum of 4 consecutive odd numbers is 32. What is the smallest of the 4 numbers?

- [ ] A) 8
- [ ] B) 5
- [ ] C) 4
- [ ] D) 6
- [ ] E) 11

---

122 Rhys and Hamza have 45 stickers between them. Rhys has 33 more than Hamza. How many does Rhys have?

- [ ] A) 22.5
- [ ] B) 39
- [ ] C) 6
- [ ] D) 40
- [ ] E) 33

---

123 The sum of 3 consecutive odd numbers is 57. What is the largest of the 3 numbers?

- [ ] A) 19
- [ ] B) 17
- [ ] C) 21
- [ ] D) 22
- [ ] E) 23

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Mark scheme · 2.57-4 Number Puzzles and Logic Set D: 2-hour Pack

Question 1

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

Answer: D) 36

Question 2

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

Answer: A) 36

Question 3

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

Answer: C) 7

Question 4

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

Answer: E) 36

Question 5

correct option B (26) cao **B1**

Answer: B) 26

Question 6

correct option E (15) cao **B1**

Answer: E) 15

Question 7

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

Answer: C) 9

Question 8

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

Answer: A) 20

Question 9

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

Answer: C) 14

Question 10

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

Answer: D) 20

Question 11

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

Answer: B) 6

Question 12

correct option A (10) cao **B1**

Answer: A) 10

Question 13

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

Answer: E) 23

Question 14

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

Answer: C) 51

Question 15

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

Answer: D) 43

Question 16

correct option C (44) cao **B1**

Answer: C) 44

Question 17

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

Answer: A) 14

Question 18

correct option E (54) cao **B1**

Answer: E) 54

Question 19

correct option B (15) cao **B1**

Answer: B) 15

Question 20

correct option D (16) cao **B1**

Answer: D) 16

Question 21

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

Answer: E) 36

Question 22

correct option A (31) cao **B1**

Answer: A) 31

Question 23

correct option C (39) cao **B1**

Answer: C) 39

Question 24

correct option E (17) cao **B1**

Answer: E) 17

Question 25

correct option A (10) cao **B1**

Answer: A) 10

Question 26

correct option C (17) cao **B1**

Answer: C) 17

Question 27

correct option D (60) cao **B1**

Answer: D) 60

Question 28

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

Answer: D) 26

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Question 29

correct option A (40) cao **B1**

Answer: A) 40

Question 30

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

Answer: B) 52

Question 31

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

Answer: C) 5

Question 32

correct option E (50) cao **B1**

Answer: E) 50

Question 33

correct option E (48) cao **B1**

Answer: E) 48

Question 34

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

Answer: D) 43

Question 35

correct option A (60) cao **B1**

Answer: A) 60

Question 36

correct option A (7) cao **B1**

Answer: A) 7

Question 37

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

Answer: E) 8

Question 38

correct option C (60) cao **B1**

Answer: C) 60

Question 39

correct option D (31) cao **B1**

Answer: D) 31

Question 40

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

Answer: C) 28

Question 41

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

Answer: E) 36

Question 42

correct option A (44) cao **B1**

Answer: A) 44

Question 43

correct option B (50) cao **B1**

Answer: B) 50

Question 44

correct option D (33) cao **B1**

Answer: D) 33

Question 45

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

Answer: D) 14

Question 46

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

Answer: D) 43

Question 47

correct option A (16) cao **B1**

Answer: A) 16

Question 48

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

Answer: C) 7

Question 49

correct option B (16) cao **B1**

Answer: B) 16

Question 50

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

Answer: D) 14

Question 51

correct option A (53) cao **B1**

Answer: A) 53

Question 52

correct option B (33) cao **B1**

Answer: B) 33

Question 53

correct option E (19) cao **B1**

Answer: E) 19

Question 54

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

Answer: B) 18

Question 55

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

Answer: E) 23

Question 56

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

Answer: D) 6

Question 57

correct option A (17) cao **B1**

Answer: A) 17

Question 58

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

Answer: D) 57

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Question 59

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

Answer: E) 45

Question 60

correct option D (29) cao **B1**

Answer: D) 29

Question 61

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

Answer: E) 8

Question 62

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

Answer: A) 18

Question 63

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

Answer: C) 12

Question 64

correct option C (29) cao **B1**

Answer: C) 29

Question 65

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

Answer: A) 38

Question 66

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

Answer: D) 22

Question 67

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

Answer: B) 20

Question 68

correct option E (33) cao **B1**

Answer: E) 33

Question 69

correct option B (50) cao **B1**

Answer: B) 50

Question 70

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

Answer: A) 42

Question 71

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

Answer: E) 30

Question 72

correct option C (59) cao **B1**

Answer: C) 59

Question 73

correct option A (29) cao **B1**

Answer: A) 29

Question 74

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

Answer: C) 51

Question 75

correct option E (17) cao **B1**

Answer: E) 17

Question 76

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

Answer: B) 23

Question 77

correct option D (44) cao **B1**

Answer: D) 44

Question 78

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

Answer: A) 52

Question 79

correct option E (24) cao **B1**

Answer: E) 24

Question 80

correct option B (59) cao **B1**

Answer: B) 59

Question 81

correct option B (48) cao **B1**

Answer: B) 48

Question 82

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

Answer: C) 30

Question 83

correct option D (16) cao **B1**

Answer: D) 16

Question 84

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

Answer: E) 13

Question 85

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

Answer: E) 13

Question 86

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

Answer: C) 27

Question 87

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

Answer: D) 38

Question 88

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

Answer: A) 37

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Question 89

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

Answer: C) 11

Question 90

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

Answer: B) 55

Question 91

correct option A (50) cao **B1**

Answer: A) 50

Question 92

correct option D (15) cao **B1**

Answer: D) 15

Question 93

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

Answer: D) 13

Question 94

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

Answer: E) 22

Question 95

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

Answer: A) 8

Question 96

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

Answer: B) 52

Question 97

places Diya first, as given **M1**

tests possible positions for the Amara-Callum consecutive pair, using the constraint that Jack cannot be first or last to eliminate Amara 2nd / Callum 3rd **M1**

fully correct order: Diya, Jack, Amara, Callum cao **A1**

Answer: Diya, Jack, Amara, Callum

Question 98

correct option C (39) cao **B1**

Answer: C) 39

Question 99

correct option E (33) cao **B1**

Answer: E) 33

Question 100

correct option A (35) cao **B1**

Answer: A) 35

Question 101

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

Answer: B) 22

Question 102

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

Answer: D) 43

Question 103

correct option A (59) cao **B1**

Answer: A) 59

Question 104

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

Answer: B) 32

Question 105

correct option C (29) cao **B1**

Answer: C) 29

Question 106

correct option D (17) cao **B1**

Answer: D) 17

Question 107

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

Answer: E) 25

Question 108

correct option C (10) cao **B1**

Answer: C) 10

Question 109

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

Answer: A) 58

Question 110

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

Answer: B) 14

Question 111

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

Answer: D) 49

Question 112

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

Answer: E) 12

Question 113

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

Answer: C) 34

Question 114

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

Answer: B) 58

Question 115

correct option D (48) cao **B1**

Answer: D) 48

Question 116

sets up a + b = 12 and 50a + 100b = 850 (pence) oe, where a is the number of 50p coins and b is the number of £1 coins **M1**

correct substitution/elimination step, e.g. 50(12-b) + 100b = 850, giving 50b = 250 so b = 5 oe **M1**

7 fifty-pence coins and 5 £1 coins cao **A1**

Answer: 7 fifty-pence coins and 5 £1 coins

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Question 117

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

Answer: A) 47

Question 118

correct option E (10) cao **B1**

Answer: E) 10

Question 119

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

Answer: D) 13

Question 120

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

Answer: A) 51

Question 121

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

Answer: B) 5

Question 122

correct option B (39) cao **B1**

Answer: B) 39

Question 123

correct option C (21) cao **B1**

Answer: C) 21

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