2.29-2 Speed Drills: Mixed Mental Methods Set 2: 30-minute Pack

Total Marks

GL ASSESSMENT EP.M44 · Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

A timed speed-drill pack for keeping mental methods fast and accurate under real GL Assessment 11+ pressure - a second set of original questions alongside Speed Drills: Mixed Mental Methods (EP.M29). Complete each block against its own 5-minute target without a calculator, writing only the final answer in the answer grid provided; no working space is given or needed. There are 4 blocks of 20 one-mark, answer-only questions: Block 1, number bonds and times tables; Block 2, fractions and percentages of amounts; Block 3, mixed four-operations mental arithmetic; Block 4, squares, rounding, factors, multiples and quick reasoning against the clock. Each block carries its own Target: 5 minutes heading; time yourself (or ask an adult to time you) and note how close you get to the target on each block.

1 Work out 14 x 5.

(1)

2 Work out 15 - 8.

(1)

3 Block 2: Fractions and percentages of amounts - Target: 5 minutes. Work out 1/2 of 56.

(1)

4 Work out 1/4 of 32.

(1)

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5 Work out 10% of 70.

(1)

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6 Work out 3/4 of 68.

(1)

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7 Work out 25% of 76.

(1)

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8 Work out 1/3 of 42.

(1)

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9 Work out 50% of 118.

(1)

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10 What number must be added to 12 to make 20?

(1)

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11 Work out 20% of 135.

(1)

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12 Work out 75% of 92.

(1)

13 Work out 1/8 of 152.

(1)

14 Work out 5% of 340.

(1)

15 Work out 7/10 of 130.

(1)

16 Work out 15% of 260.

(1)

17 Work out 2/3 of 141.

(1)

18 Work out 35% of 420.

(1)

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19 Work out 9 + 9.

(1)

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20 Work out 12% of 375.

(1)

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21 Block 3: Mixed four operations - Target: 5 minutes. Work out 34 + 28.

(1)

---

22 Work out 23 x 4.

(1)

---

23 Work out 96 / 8.

(1)

---

24 Work out 275 + 148.

(1)

---

25 Work out 17 x 5.

(1)

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26 Work out 168 / 6.

(1)

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27 Work out 6 x 14.

(1)

---

28 Work out 6 x 8.

(1)

---

29 Work out 132 / 4.

(1)

---

30 Work out 39 + 46 - 12.

(1)

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31 Double 125.

(1)

---

32 Round 6752 to the nearest 1000.

(1)

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Mark scheme · 2.29-2 Speed Drills: Mixed Mental Methods Set 2: 30-minute Pack

Question 1

70 cao **B1**

Answer: 70

Question 2

7 cao **B1**

Answer: 7

Question 3

28 cao **B1**

Answer: 28

Question 4

8 cao **B1**

Answer: 8

Question 5

7 cao **B1**

Answer: 7

Question 6

51 cao **B1**

Answer: 51

Question 7

19 cao **B1**

Answer: 19

Question 8

14 cao **B1**

Answer: 14

Question 9

59 cao **B1**

Answer: 59

Question 10

8 cao **B1**

Answer: 8

Question 11

27 cao **B1**

Answer: 27

Question 12

69 cao **B1**

Answer: 69

Question 13

19 cao **B1**

Answer: 19

Question 14

17 cao **B1**

Answer: 17

Question 15

91 cao **B1**

Answer: 91

Question 16

39 cao **B1**

Answer: 39

Question 17

94 cao **B1**

Answer: 94

Question 18

147 cao **B1**

Answer: 147

Question 19

18 cao **B1**

Answer: 18

Question 20

45 cao **B1**

Answer: 45

Question 21

62 cao **B1**

Answer: 62

Question 22

92 cao **B1**

Answer: 92

Question 23

12 cao **B1**

Answer: 12

Question 24

423 cao **B1**

Answer: 423

Question 25

85 cao **B1**

Answer: 85

Question 26

28 cao **B1**

Answer: 28

Question 27

84 cao **B1**

Answer: 84

Question 28

48 cao **B1**

Answer: 48

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Question 29

33 cao **B1**

Answer: 33

Question 30

73 cao **B1**

Answer: 73

Question 31

250 cao **B1**

Answer: 250

Question 32

7000 cao **B1**

Answer: 7000

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