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

Total Marks

GL ASSESSMENT EP.M29 · 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. 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, mixed four-operations mental arithmetic; Block 2, fractions and percentages of amounts; Block 3, time, money and measures conversions; Block 4, a mixed block drawing on all three skills 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 1/4 of 60.

(1)

2 Work out 1/3 of 27.

(1)

3 Work out 10% of 250.

(1)

4 Work out 20% of 90.

(1)

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5 Work out 2/5 of 45.

(1)

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6 Work out 3/5 of 65.

(1)

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7 Work out 6 x 7.

(1)

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8 Work out 50% of 84.

(1)

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9 Work out 5/8 of 64.

(1)

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10 Work out 30% of 250.

(1)

---

11 Work out 7/10 of 90.

(1)

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12 Work out 45% of 80.

(1)

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13 Work out 5/6 of 72.

(1)

---

14 Work out 12% of 150.

(1)

---

15 Work out 3/8 of 96.

(1)

---

16 Work out 72 / 8.

(1)

---

17 Work out 2/3 of 5/6 of 108.

(1)

---

18 Convert 5 minutes into seconds.

(1)

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19 Convert 3.5 hours into minutes.

(1)

---

20 Convert £4.50 into pence.

(1)

---

21 Convert 2.5 kg into grams.

(1)

---

22 Convert 1800 g into kilograms.

(1)

---

23 Convert 3.2 m into centimetres.

(1)

---

24 Work out 19 + 26.

(1)

---

25 Convert 45 mm into centimetres.

(1)

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26 Convert 1.5 litres into millilitres.

(1)

---

27 Convert 3400 ml into litres.

(1)

---

28 Work out how many days there are in 6 weeks.

(1)

---

29 Convert 3 years into months.

(1)

---

30 Convert 2.75 km into metres.

(1)

---

31 A film starts at 14:20 and lasts 95 minutes. Work out the time it finishes.

(1)

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32 Priya's train departs at 09:45 and the journey takes 2 hours 20 minutes. Work out the arrival time.

(1)

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

Question 1

15 cao **B1**

Answer: 15

Question 2

9 cao **B1**

Answer: 9

Question 3

25 cao **B1**

Answer: 25

Question 4

18 cao **B1**

Answer: 18

Question 5

18 cao **B1**

Answer: 18

Question 6

39 cao **B1**

Answer: 39

Question 7

42 cao **B1**

Answer: 42

Question 8

42 cao **B1**

Answer: 42

Question 9

40 cao **B1**

Answer: 40

Question 10

75 cao **B1**

Answer: 75

Question 11

63 cao **B1**

Answer: 63

Question 12

36 cao **B1**

Answer: 36

Question 13

60 cao **B1**

Answer: 60

Question 14

18 cao **B1**

Answer: 18

Question 15

36 cao **B1**

Answer: 36

Question 16

9 cao **B1**

Answer: 9

Question 17

60 cao **B1**

Answer: 60

Question 18

300 cao **B1**

Answer: 300

Question 19

210 cao **B1**

Answer: 210

Question 20

450 cao **B1**

Answer: 450

Question 21

2500 cao **B1**

Answer: 2500

Question 22

1.8 kg oe **B1**

Answer: 1.8 kg

Question 23

320 cao **B1**

Answer: 320

Question 24

45 cao **B1**

Answer: 45

Question 25

4.5 cm oe **B1**

Answer: 4.5 cm

Question 26

1500 cao **B1**

Answer: 1500

Question 27

3.4 litres oe **B1**

Answer: 3.4 litres

Question 28

42 cao **B1**

Answer: 42

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Question 29

36 cao **B1**

Answer: 36

Question 30

2750 cao **B1**

Answer: 2750

Question 31

15:55 oe **B1**

Answer: 15:55

Question 32

12:05 oe **B1**

Answer: 12:05

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