2.58 Timed Arithmetic Challenge: 30-minute Pack

Total Marks

GL ASSESSMENT EP.M72 · Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

A timed mixed-arithmetic challenge pack for building the fast, accurate all-round number skills needed under the real GL Assessment 11+ maths paper's clock. 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, addition and subtraction across whole numbers, decimals and negative numbers; Block 2, multiplication and division across whole numbers and decimals; Block 3, fractions and percentages of amounts, including one reverse-percentage question; Block 4, quick multi-step calculations that combine two or more operations in a single question. 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 96 / 8.

(1)

2 Work out 23 x 7.

(1)

3 Work out 34 x 6.

(1)

4 Work out 225 / 15.

(1)

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5 Work out 3.5 x 4.

(1)

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6 Work out 47 x 8.

(1)

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7 Work out 124 + 87.

(1)

---

8 Work out 5.6 x 3.

(1)

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9 Work out 2.4 x 15.

(1)

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10 Work out 126 x 4.

(1)

---

11 Work out 27 x 23.

(1)

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12 Work out 828 / 18.

(1)

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13 Work out 4.8 / 0.6.

(1)

---

14 Work out 315 x 12.

(1)

---

15 Work out 6.25 x 8.

(1)

---

16 Work out 203 - 78.

(1)

---

17 Work out 0.75 x 0.4.

(1)

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18 Block 3: Fractions and percentages of amounts - Target: 5 minutes. Work out 1/2 of 48.

(1)

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19 Work out 1/5 of 45.

(1)

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20 Work out 1/3 of 72.

(1)

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21 Work out 2/3 of 30.

(1)

---

22 Work out 3/5 of 55.

(1)

---

23 Work out 5/8 of 96.

(1)

---

24 Work out 10% of 250.

(1)

---

25 Work out 68 + 275.

(1)

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26 Work out 25% of 180.

(1)

---

27 Work out 50% of £64.

(1)

---

28 Work out 20% of 350.

(1)

---

29 Work out 5% of 480.

(1)

---

30 Work out 35% of 120.

(1)

---

31 Work out 12% of 150.

(1)

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32 Work out 7/10 of 90.

(1)

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Mark scheme · 2.58 Timed Arithmetic Challenge: 30-minute Pack

Question 1

12 cao **B1**

Answer: 12

Question 2

161 cao **B1**

Answer: 161

Question 3

204 cao **B1**

Answer: 204

Question 4

15 cao **B1**

Answer: 15

Question 5

14 cao **B1**

Answer: 14

Question 6

376 cao **B1**

Answer: 376

Question 7

211 cao **B1**

Answer: 211

Question 8

16.8 cao **B1**

Answer: 16.8

Question 9

36 cao **B1**

Answer: 36

Question 10

504 cao **B1**

Answer: 504

Question 11

621 cao **B1**

Answer: 621

Question 12

46 cao **B1**

Answer: 46

Question 13

8 cao **B1**

Answer: 8

Question 14

3780 cao **B1**

Answer: 3780

Question 15

50 cao **B1**

Answer: 50

Question 16

125 cao **B1**

Answer: 125

Question 17

0.3 cao **B1**

Answer: 0.3

Question 18

24 cao **B1**

Answer: 24

Question 19

9 cao **B1**

Answer: 9

Question 20

24 cao **B1**

Answer: 24

Question 21

20 cao **B1**

Answer: 20

Question 22

33 cao **B1**

Answer: 33

Question 23

60 cao **B1**

Answer: 60

Question 24

25 cao **B1**

Answer: 25

Question 25

343 cao **B1**

Answer: 343

Question 26

45 cao **B1**

Answer: 45

Question 27

£32 cao **B1**

Answer: £32

Question 28

70 cao **B1**

Answer: 70

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Question 29

24 cao **B1**

Answer: 24

Question 30

42 cao **B1**

Answer: 42

Question 31

18 cao **B1**

Answer: 18

Question 32

63 cao **B1**

Answer: 63

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