2.54-2 Speed Drills: Fractions, Decimals and Percentages Set 2: 30-minute Pack

Total Marks

GL ASSESSMENT EP.M64 · Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

A timed speed-drill pack for building fast, accurate fluency across fractions, decimals and percentages - the number sense that keeps working quick enough for the real GL Assessment 11+ maths paper. 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, fractions of amounts, moving from unit fractions to harder non-unit fractions and a reverse problem; Block 2, percentages of amounts built from the 50%, 25%, 10%, 5% and 1% building blocks, moving to composite percentages and a reverse percentage problem; Block 3, converting between fractions, decimals and percentages in both directions; Block 4, a mixed block combining all three forms, including comparing, ordering and short word problems 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 7/8 of 120.

(1)

2 Work out 1/3 of 18.

(1)

3 Block 2: Percentages of amounts - Target: 5 minutes. Work out 10% of 70.

(1)

4 Work out 10% of 130.

(1)

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5 Work out 50% of 84.

(1)

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6 Work out 1% of 900.

(1)

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7 Work out 5% of 140.

(1)

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8 Work out 20% of 65.

(1)

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9 Work out 75% of 48.

(1)

---

10 Work out 30% of 90.

(1)

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11 Work out 1/5 of 40.

(1)

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12 Work out 40% of 55.

(1)

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13 Work out 35% of 80.

(1)

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14 Work out 45% of 160.

(1)

---

15 Work out 65% of 40.

(1)

---

16 Work out 12% of 250.

(1)

---

17 Work out 24% of 150.

(1)

---

18 Work out 12.5% of 96.

(1)

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19 Work out 17.5% of 200.

(1)

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20 Work out 1/4 of 48.

(1)

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21 Write 1/5 as a percentage.

(1)

---

22 Write 3/10 as a decimal.

(1)

---

23 Write 3/4 as a percentage.

(1)

---

24 Write 0.6 as a fraction in its simplest form.

(1)

---

25 Write 0.35 as a percentage.

(1)

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26 Write 85% as a decimal.

(1)

---

27 Work out 1/10 of 70.

(1)

---

28 Write 0.72 as a percentage.

(1)

---

29 Write 0.4 as a fraction in its simplest form.

(1)

---

30 State whether 0.6 or 3/5 is larger, or if they are equal.

(1)

---

31 A class has 40 students. 65% of the class are girls. Find the number of girls.

(1)

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32 Order 1/4, 3/10 and 1/5 from smallest to largest.

(1)

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Mark scheme · 2.54-2 Speed Drills: Fractions, Decimals and Percentages Set 2: 30-minute Pack

Question 1

105 cao **B1**

Answer: 105

Question 2

6 cao **B1**

Answer: 6

Question 3

7 cao **B1**

Answer: 7

Question 4

13 cao **B1**

Answer: 13

Question 5

42 cao **B1**

Answer: 42

Question 6

9 cao **B1**

Answer: 9

Question 7

7 cao **B1**

Answer: 7

Question 8

13 cao **B1**

Answer: 13

Question 9

36 cao **B1**

Answer: 36

Question 10

27 cao **B1**

Answer: 27

Question 11

8 cao **B1**

Answer: 8

Question 12

22 cao **B1**

Answer: 22

Question 13

28 cao **B1**

Answer: 28

Question 14

72 cao **B1**

Answer: 72

Question 15

26 cao **B1**

Answer: 26

Question 16

30 cao **B1**

Answer: 30

Question 17

36 cao **B1**

Answer: 36

Question 18

12 cao **B1**

Answer: 12

Question 19

35 cao **B1**

Answer: 35

Question 20

12 cao **B1**

Answer: 12

Question 21

20% cao **B1**

Answer: 20%

Question 22

0.3 oe cao **B1**

Answer: 0.3

Question 23

75% cao **B1**

Answer: 75%

Question 24

3/5 oe cao **B1**

Answer: 3/5

Question 25

35% cao **B1**

Answer: 35%

Question 26

0.85 cao **B1**

Answer: 0.85

Question 27

7 cao **B1**

Answer: 7

Question 28

72% cao **B1**

Answer: 72%

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Question 29

2/5 oe cao **B1**

Answer: 2/5

Question 30

equal (0.6 = 3/5) oe **B1**

Answer: Equal (0.6 = 3/5)

Question 31

26 cao **B1**

Answer: 26

Question 32

1/5, 1/4, 3/10 oe cao (correct order required) **B1**

Answer: 1/5, 1/4, 3/10

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