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

Total Marks

GL ASSESSMENT EP.M64 · Calculators not allowed · about 15 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 Block 1: Fractions of amounts - Target: 5 minutes. Work out 1/2 of 24.

(1)

2 Work out 3/8 of 64.

(1)

3 Work out 9/20 of 140.

(1)

4 3/7 of a number is 27. Find the number.

(1)

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5 Work out 25% of 96.

(1)

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6 Work out 15% of 120.

(1)

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7 Work out 2.5% of 480.

(1)

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8 Write 1/4 as a decimal.

(1)

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9 Write 40% as a decimal.

(1)

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10 Write 7/20 as a percentage.

(1)

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11 Write 11/40 as a decimal.

(1)

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12 State which is smaller: 3/8 or 30%.

(1)

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13 State which is larger: 7/10 or 0.72.

(1)

---

14 Convert 0.08 to a fraction in its simplest form.

(1)

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15 State which is largest: 9/20, 47% and 0.46.

(1)

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16 Order 0.55, 5/8 and 52% from smallest to largest.

(1)

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

Question 1

12 cao **B1**

Answer: 12

Question 2

24 cao **B1**

Answer: 24

Question 3

63 cao **B1**

Answer: 63

Question 4

63 cao **B1**

Answer: 63

Question 5

24 cao **B1**

Answer: 24

Question 6

18 cao **B1**

Answer: 18

Question 7

12 cao **B1**

Answer: 12

Question 8

0.25 cao **B1**

Answer: 0.25

Question 9

0.4 oe cao **B1**

Answer: 0.4

Question 10

35% cao **B1**

Answer: 35%

Question 11

0.275 cao **B1**

Answer: 0.275

Question 12

30% cao **B1**

Answer: 30%

Question 13

0.72 cao **B1**

Answer: 0.72

Question 14

2/25 oe cao **B1**

Answer: 2/25

Question 15

47% cao **B1**

Answer: 47%

Question 16

52%, 0.55, 5/8 oe cao (correct order required) **B1**

Answer: 52%, 0.55, 5/8

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