2.18 Speed Drills: Fractions and Percentages of Amounts: 10-minute Pack

Total Marks

GL ASSESSMENT EP.M19 · Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

A timed speed-drill pack for building fast, accurate recall of fractions and percentages of amounts - the mental fluency 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, unit fractions of an amount (1/2, 1/3, 1/4 and similar); Block 2, non-unit fractions of an amount (3/4, 2/5, 5/6 and similar); Block 3, percentages of amounts built from the 50%, 25%, 10%, 5% and 1% building blocks; Block 4, a mixed block of fractions and percentages against the clock, including quick comparisons such as deciding whether a fraction or a percentage of the same amount is bigger. 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 1/3 of 27.

(1)

2 Work out 1/5 of 45.

(1)

3 Work out 1/6 of 36.

(1)

4 Work out 1/10 of 90.

(1)

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5 Work out 1/3 of 51.

(1)

6 Work out 1/6 of 54.

(1)

7 Work out 1/7 of 84.

(1)

8 Work out 1/8 of 96.

(1)

9 Work out 1/2 of 16.

(1)

10 Block 2: Fraction of an amount (non-unit fractions) - Target: 5 minutes. Work out 3/4 of 20.

(1)

11 Which is bigger: 1/2 of 50 or 40% of 50?

(1)

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Mark scheme · 2.18 Speed Drills: Fractions and Percentages of Amounts: 10-minute Pack

Question 1

9 cao **B1**

Answer: 9

Question 2

9 cao **B1**

Answer: 9

Question 3

6 cao **B1**

Answer: 6

Question 4

9 cao **B1**

Answer: 9

Question 5

17 cao **B1**

Answer: 17

Question 6

9 cao **B1**

Answer: 9

Question 7

12 cao **B1**

Answer: 12

Question 8

12 cao **B1**

Answer: 12

Question 9

8 cao **B1**

Answer: 8

Question 10

15 cao **B1**

Answer: 15

Question 11

1/2 of 50 cao (25 > 20) **B1**

Answer: 1/2 of 50

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