2.18 Speed Drills: Fractions and Percentages of Amounts: Test Pack

Total Marks

GL ASSESSMENT EP.M19 · Calculators not allowed · about 15 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 Block 1: Fraction of an amount (unit fractions) - Target: 5 minutes. Work out 1/2 of 20.

(1)

2 Work out 1/8 of 40.

(1)

3 Work out 1/9 of 63.

(1)

4 Work out 1/12 of 144.

(1)

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5 Work out 2/5 of 25.

(1)

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6 Work out 3/8 of 32.

(1)

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7 Work out 3/10 of 90.

(1)

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8 Work out 5/9 of 108.

(1)

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9 Work out 10% of 50.

(1)

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10 Work out 5% of 60.

(1)

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11 Work out 60% of 90.

(1)

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12 Work out 85% of 60.

(1)

13 Work out 65% of 120.

(1)

14 Work out 15% of 80.

(1)

15 Work out 3/8 of 64.

(1)

16 Which is bigger: 3/5 of 40 or 55% of 40?

(1)

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Mark scheme · 2.18 Speed Drills: Fractions and Percentages of Amounts: Test Pack

Question 1

10 cao **B1**

Answer: 10

Question 2

5 cao **B1**

Answer: 5

Question 3

7 cao **B1**

Answer: 7

Question 4

12 cao **B1**

Answer: 12

Question 5

10 cao **B1**

Answer: 10

Question 6

12 cao **B1**

Answer: 12

Question 7

27 cao **B1**

Answer: 27

Question 8

60 cao **B1**

Answer: 60

Question 9

5 cao **B1**

Answer: 5

Question 10

3 cao **B1**

Answer: 3

Question 11

54 cao **B1**

Answer: 54

Question 12

51 cao **B1**

Answer: 51

Question 13

78 cao **B1**

Answer: 78

Question 14

12 cao **B1**

Answer: 12

Question 15

24 cao **B1**

Answer: 24

Question 16

3/5 of 40 cao (24 > 22) **B1**

Answer: 3/5 of 40

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