2.34 Speed Drills: Percentages and Proportion: 10-minute Pack

Total Marks

GL ASSESSMENT EP.M33 · Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

A timed speed-drill pack for building fast, accurate percentages and proportion skills - 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, percentage of an amount built from the 50%, 25%, 10%, 5% and 1% building blocks; Block 2, percentage increase and decrease, including reverse percentage problems; Block 3, sharing amounts in a ratio and simplifying ratios; Block 4, a mixed block of direct and inverse proportion 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 40% of 65.

(1)

2 Work out 60% of 45.

(1)

3 Work out 12% of 200.

(1)

4 Work out 65% of 80.

(1)

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5 Work out 35% of 140.

(1)

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6 Work out 75% of 96.

(1)

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7 Block 2: Percentage increase and decrease - Target: 5 minutes. Increase £30 by 10%.

(1)

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8 Decrease £50 by 10%.

(1)

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9 A jacket costs £45. It is reduced by 10% in a sale. Find the sale price.

(1)

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10 Block 3: Ratio sharing and simplifying - Target: 5 minutes. Simplify the ratio 6 : 10 to its simplest form.

(1)

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11 Complete the missing number: 2 : 3 = 10 : ___

(1)

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Mark scheme · 2.34 Speed Drills: Percentages and Proportion: 10-minute Pack

Question 1

26 cao **B1**

Answer: 26

Question 2

27 cao **B1**

Answer: 27

Question 3

24 cao **B1**

Answer: 24

Question 4

52 cao **B1**

Answer: 52

Question 5

49 cao **B1**

Answer: 49

Question 6

72 cao **B1**

Answer: 72

Question 7

£33.00 cao **B1**

Answer: £33.00

Question 8

£45.00 cao **B1**

Answer: £45.00

Question 9

£40.50 cao **B1**

Answer: £40.50

Question 10

3 : 5 oe cao **B1**

Answer: 3 : 5

Question 11

15 cao **B1**

Answer: 15

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