2.29-3 Speed Drills: Mixed Methods Set 3: 10-minute Pack

Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

How to use this speed drills pack

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This pack is a timed numeracy fluency drill for 11+ preparation, styled on GL Assessment speed and accuracy conventions. It is split into 4 blocks of 20 answer-only questions: Block A (Number Foundations), Block B (Fractions, Decimals and Percentages), Block C (Ratio, Proportion and Algebra) and Block D (Measures, Money and Quick Problems). Each block has a target of 5 minutes for all 20 questions (roughly 15 seconds per question), so pupils should write the answer only, with no working shown, in the space next to each question. No calculator is allowed. The mark scheme at the back is presented as a quick-check answer grid, one mark per question, so pupils or parents can mark the drill in under a minute and time future attempts to track improvement.

1 Find the lowest common multiple of 4 and 6.

(1)

2 Work out: 5^3

(1)

3 Work out: -8 + 3

(1)

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4 Work out: -4 - 6

(1)

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5 Write 3/4 as a decimal.

(1)

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6 Convert 7/10 to a percentage.

(1)

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7 Round 6.283 to 2 decimal places.

(1)

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8 BLOCK C: RATIO, PROPORTION & ALGEBRA - TARGET: 5 MINUTES FOR ALL 20
Simplify the ratio 15:20.

(1)

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9 £60 is shared in the ratio 2:3. Find the smaller share.

(1)

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10 A recipe for 4 people needs 200g of flour. How much flour is needed for 6 people?

(1)

11 Solve: $3x = 21$

(1)

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Mark scheme · 2.29-3 Speed Drills: Mixed Methods Set 3: 10-minute Pack

Question 1

12 cao **B1**

Answer: 12

Question 2

125 cao **B1**

Answer: 125

Question 3

-5 cao **B1**

Answer: -5

Question 4

-10 cao **B1**

Answer: -10

Question 5

0.75 cao **B1**

Answer: 0.75

Question 6

70% cao **B1**

Answer: 70%

Question 7

6.28 cao **B1**

Answer: 6.28

Question 8

3:4 cao **B1**

Answer: 3:4

Question 9

£24 cao **B1**

Answer: £24

Question 10

300g cao **B1**

Answer: 300g

Question 11

x = 7 cao **B1**

Answer: x = 7

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