# 2.29-3 Speed Drills: Mixed Methods Set 3: Test Pack

Calculators not allowed · about 15 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** BLOCK A: NUMBER FOUNDATIONS - TARGET: 5 MINUTES FOR ALL 20
Work out: 47 + 38

**(1)**

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**2** Work out: 9 x 9

**(1)**

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**3** Write down the next prime number after 17.

**(1)**


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**4** BLOCK B: FRACTIONS, DECIMALS & PERCENTAGES - TARGET: 5 MINUTES FOR ALL 20

Simplify the fraction 8/12 to its simplest form.

**(1)**

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**5** Find 25% of 160.

**(1)**

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**6** Round 0.482 to 1 decimal place.

**(1)**

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**7** Increase 80 by 25%.

**(1)**

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**8** Decrease 120 by 10%.

**(1)**

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**9** Write 9/20 as a decimal.

**(1)**

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**10** If x = 5, find the value of 3x + 4.

**(1)**


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**11** Solve: $x + 9 = 14$

**(1)**

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**12** Find the next term in the sequence: 2, 6, 18, 54, ...

**(1)**

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**13** 8 apples cost £3.20. Find the cost of 1 apple.

**(1)**

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**14** A shop reduces a £60 jacket by £15. What percentage discount is this?

**(1)**

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**15** Convert 4500 g to kilograms.

**(1)**

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**16** How many seconds are there in 4 minutes?

**(1)**


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# Mark scheme · 2.29-3 Speed Drills: Mixed Methods Set 3: Test Pack

## Question 1

85 cao **B1**

**Answer: 85**

## Question 2

81 cao **B1**

**Answer: 81**

## Question 3

19 cao **B1**

**Answer: 19**

## Question 4

2/3 cao **B1**

**Answer: 2/3**

## Question 5

40 cao **B1**

**Answer: 40**

## Question 6

0.5 cao **B1**

**Answer: 0.5**

## Question 7

100 cao **B1**

**Answer: 100**

## Question 8

108 cao **B1**

**Answer: 108**

## Question 9

0.45 cao **B1**

**Answer: 0.45**

## Question 10

19 cao **B1**

**Answer: 19**

## Question 11

x = 5 cao **B1**

**Answer: x = 5**

## Question 12

162 cao **B1**

**Answer: 162**

## Question 13

£0.40 cao **B1**

**Answer: £0.40**

## Question 14

25% cao **B1**

**Answer: 25%**

## Question 15

4.5 kg cao **B1**

**Answer: 4.5 kg**

## Question 16

240 seconds cao **B1**

**Answer: 240 seconds**


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