

Name: \_\_\_\_\_

# Maths Genie Stage 2

## Test C

### Instructions

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**
- **Calculators may not be used.**



### Information

- The marks for each question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*

### Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end

1 Write 8464 to the nearest thousand.

.....  
(Total for Question 1 is 1 mark)

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2 Write 5.7248 correct to 3 decimal places.

.....  
(Total for Question 8 is 1 mark)

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3 (a) Simplify  $5p \times 6q$

(b) Simplify  $10a + 4b - 6a - 9b$

.....  
(1)

.....  
(2)

(Total for Question 3 is 3 marks)

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4 There are 11 pens in a box.

5 pens are red.

4 pens are blue.

2 pens is green.

On pen is selected at random from the box.

(a) Write down the probability that pen is green.

.....  
(1)

(b) Write down the probability that pen is black.

.....  
(1)

(Total for Question 4 is 2 marks)

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5 Work out  $359 \times 6$

.....  
**(Total for Question 5 is 2 marks)**

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6 Work out  $250 - 74 - 37$

.....  
**(Total for Question 6 is 2 marks)**

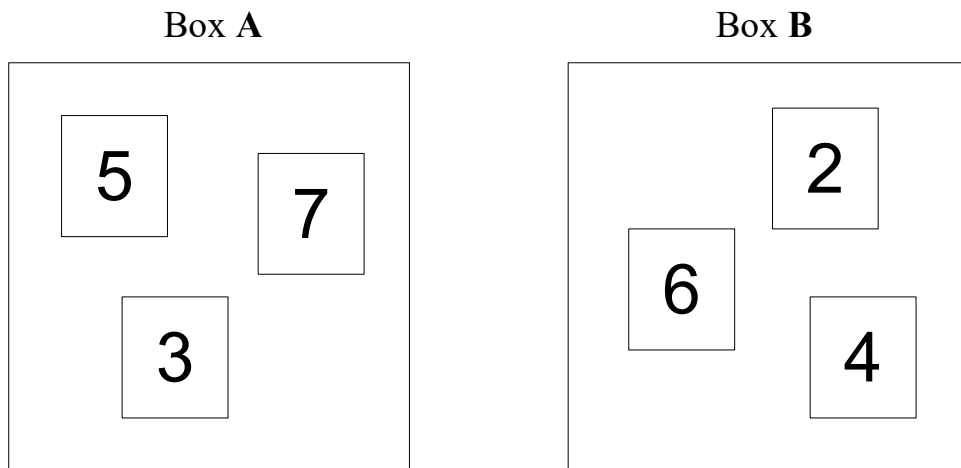
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7 Work out  $\pounds 6.35 + \pounds 19.48$

£.....  
**(Total for Question 7 is 2 marks)**

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- 8 There are three cards in box A and three cards in box B.  
There is a number on each card.



Harry takes a card from box A and a card from box B.

- (a) Write down all the possible combinations of cards Harry can take.

.....

.....

.....

(2)

Harry adds the numbers on the two cards to get a total score.

- (b) Work out the probability that the total score is greater than 10.

.....  
(1)

**(Total for Question 8 is 3 marks)**

9 Work out  $118.3 \div 0.7$

.....  
(Total for Question 9 is 2 marks)

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10 Pens are sold in packs and boxes.  
There a 8 pens in a pack.  
There are 50 pens in a box.

Write an expression for the total number of pens in  $p$  packs and  $b$  boxes.

.....  
(Total for Question 10 is 2 marks)

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