### Name:

## Maths Genie Stage 3

# Test A

#### 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 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 $\frac{2}{5}$ as a decimal.	
		(Total for Question 1 is 1 mark)
2	Write 0.03 as a fraction.	
		(Total for Question 2 is 1 mark)
3	5 calculators cost £31.25 3 pens cost £2.91	
	Work out the cost of 30 calculators and 30 pens.	
		£ (Total for Question 3 is 2 marks)
Ļ	A square has a perimeter of 32 cm.	
	Find the area of the square.	
		cn
		(Total for Question 4 is 2 marks)

H	ere are six cards. Each card has a number on it.		
	15 14 9 12	16 21	
(;	Work out the range of the numbers on the cards.		
(	b) Work out the mean of the numbers on the cards.		(1)
			(2)
		(Total for Questio	n 5 is 3 marks
	Work out $\frac{3.15 + 2.8^2}{2.06}$		
	Write down all the figures on your calculator display.		
		(Total for Questio	n 6 is 2 marks
	L=9m+2n		
	Work out the value of <i>L</i> when $m = -3$ and $n = 4$		





11	. h : . 1. 4.	. :	of 15	-1			
Here are the	e heights	5, in cm	, of 15 j	plants.			
50	39	52	53	25			
32 20	29	45	55	33 41			
29	27	40	44	41	c		
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