Name:	
	_

Maths Genie Stage 3

Test B

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 23% as a fraction.	
_		(Total for Question 1 is 1 mark)
2	Write 0.79 as a percentage.	
		(Total for Question 2 is 1 mark)
3	Solve $7g = 42$	
_		g =(Total for Question 3 is 1 mark)
4	Ava wants to buy as many chocolate bars as she can.	
	She has £5 to spend on chocolate bars.	
	Each chocolate bar costs £0.42	
	Work out how much change Ava will get from £5.	
		£(Total for Question 4 is 3 marks)

(a) Write down all the figures on your calculator display.

(b) Write your answer to part (a) correct to 2 decimal places.

(1)

(2)

(Total for Question 5 is 3 marks)

6 v = u + at

$$u = 3$$

$$a = 10$$

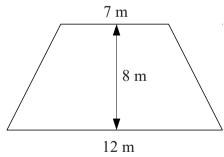
$$t = 6$$

Work out the value of *v*.

 $\nu =$

(Total for Question 6 is 2 marks)

7 The diagram shows a garden is in the shape of a trapezium.

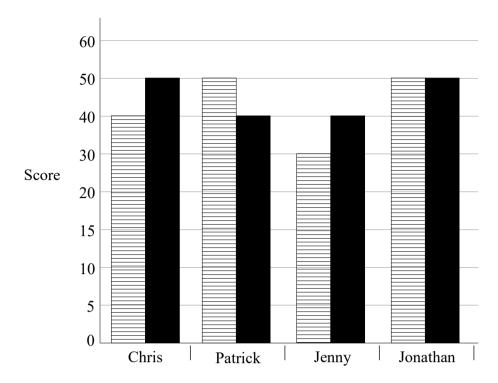


Find the area of the garden.

(Total for Question 7 is 3 marks)

										m =		
_									(Tota	l for Qu	estion 8 is 1	mar
	Here are the	weight	ts, in gra	ams, of	6 potato	oes						
				137	123	107	125	151	146			
	(a) Work ou	it the ra	inge.									
	(b) Work ou	ıt the m	nedian w	veight.								(1
									(Total	l for Qu	estion 9 is 3	(2
	Here are the	times,	in seco	nds, it to	ook 20 p	people t	o run a	race.				
	62	79	69	61	86	73	82	52	59	82		
	64	74	55	71	63	80	76	66	53	63		
	Draw an ord	lered sto	em and	leaf dia	gram to	show the	his info	rmatio	n.			

11 Here is a bar chart showing the scores of five students in their Maths and Science tests.



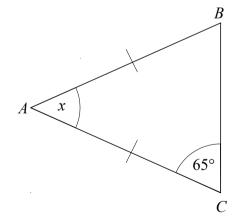
Write down two things wrong with this graph.

1	
1	

2

(Total for Question 11 is 2 marks)

12 ABC is an isosceles triangle Work out the size of the angle marked x.



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