Name: _____

Maths Genie Stage 1

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 Here are four numbers.

$$-8 \qquad -3 \qquad 3 \qquad 8$$

Write one of these numbers in each box to make a correct calculation.

$$\boxed{} \; + \; \boxed{} \; = \; -5$$

(Total for Question 1 is 1 mark)

2 Work out -5×-9

....
(Total for Question 2 is 1 mark)

3 Write down the value of the 2 in the number 6024

....
(Total for Question 3 is 1 mark)

4 Work out $4 - 3 + 2 \times 5$

....
(Total for Question 4 is 1 mark)

5 Work out 2^3

....
(Total for Question 5 is 1 mark)

6 Write the number 2 million in figures.

....
(Total for Question 6 is 1 mark)

7
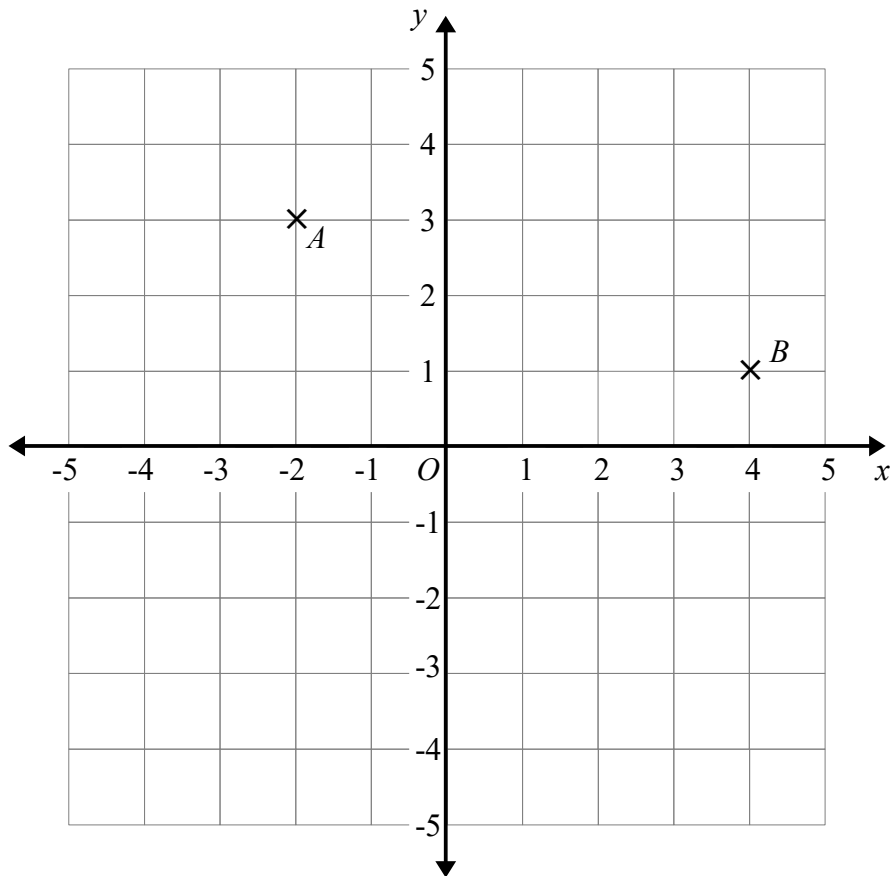
(a) Write down the coordinates of point *A*.

(…........... , ...)

(1)

(b) Find the coordinates of the midpoint of *AB*.

(…........... , ...)

(1)

(c) On the grid mark with a cross (✗) the point (1,–4).
   Label this point *C*.

(1)

(Total for Question 7 is 3 marks)

8   Write down two multiples of 8

.... , ...
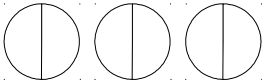
(Total for Question 8 is 2 marks)

9   The incomplete table show information about the number of ice creams sold by a shop last week.

	Tally	Frequency
Monday	ⅢⅠ Ⅰ	6
Tuesday	ⅢⅠ ⅠⅠⅠⅠ	
Wednesday	ⅢⅠ ⅢⅠ	
Thursday	ⅢⅠ ⅠⅠ	
Friday		11

(a) Complete the tally chart.   (2)

(b) Complete the pictogram to represent the ice cream sales   (2)

Monday	◐ ◐ ◐
Tuesday	
Wednesday	
Thursday	
Friday	

Key:

◐ Represents 2 ice creams

(Total for Question 9 is 4 marks)

10   Work out the cube root of 125

....

(Total for Question 10 is 1 mark)

11   Write $\dfrac{24}{60}$ as a fraction in its simplest form.

....

(Total for Question 11 is 1 mark)

12   Here is part of a train timetable.

London St Pancras	0540	0618	0701	0755
Ebbsfleet	0558	-	-	0812
Ashford	0624	0655	-	-
Paris	0917	0947	1017	1117

(a) A train leaves London St Pancras at 0701, how many minutes should it take to reach Paris?

....… minutes

(1)

(b) What is the difference, in minutes, between the time it takes for the 0540 train and the 0755 train from London St Pancras to reach Paris?

....…

(2)

(Total for Question 12 is 3 marks)