

Name: _____

Maths Genie Stage 1

Test D

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.**


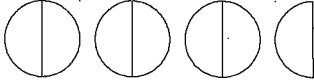
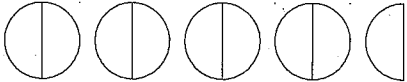
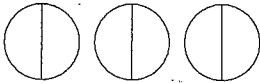
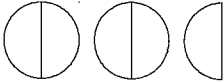
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
- The marks for each question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

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 The pictogram shows the number of pies sold by a shop from Monday to Friday one week.

Monday		4
Tuesday		7
Wednesday		9
Thursday		6
Friday		5

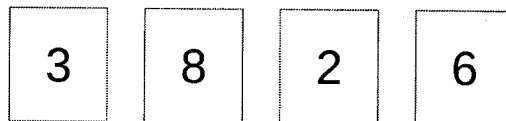
Key:
 Represents 2 pies

Work out the total number of pies sold in the five days.

$$4 + 7 + 9 + 6 + 5 = 31$$

(Total for Question 1 is 2 marks)

- 2 Here are 4 number cards.



- (a) Write down the largest three digit number that can be made using these number cards.

863

- (b) Arrange the cards to give the smallest possible answer to the sum.

$$\begin{array}{|c|} \hline 2 \\ \hline \end{array} \begin{array}{|c|} \hline 6 \\ \hline \end{array} + \begin{array}{|c|} \hline 3 \\ \hline \end{array} \begin{array}{|c|} \hline 8 \\ \hline \end{array}$$

OR $36 + 28$

(Total for Question 2 is 2 marks)

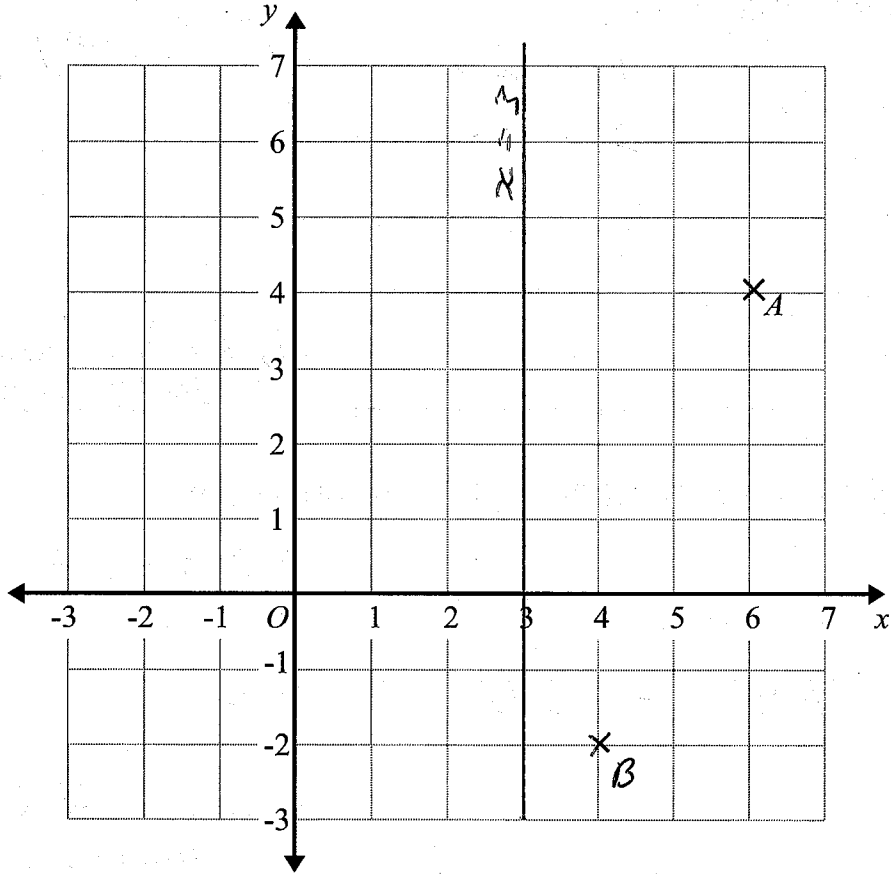
3 Change 3 hours to minutes.

$$3 \times 60$$

..... 180 minutes

(Total for Question 3 is 1 mark)

4



(a) Write down the coordinates of point A.

(..... 6, 4)
(1)

(b) On the grid mark with a cross (X) the point (4, -2).
Label this point B.

(1)

(c) On the grid, draw the line with equation $x = 3$

(1)

(Total for question 4 is 3 marks)

5 Write down a multiple of 9 that is between 20 and 30

27

(Total for Question 5 is 1 mark)

6 Write down all the factors of 20

1 20
2 10
4 5

① for any pair

1, 2, 4, 5, 10 and 20

(Total for Question 6 is 2 marks)

7 Work out the difference, in minutes, between 35 minutes and $1\frac{1}{4}$ hours.

①
 $60 + 15 = 75$ mins

$$75 - 35 = 40$$

40 minutes

(Total for Question 7 is 2 marks)

8 Write brackets () in this statement to make each statement correct.
You may use more than one pair of brackets in each statement.

(a) $(2 + 7) \times 3 + 4 = 31$ (1)

(b) $5 \times (3 + 4) = 35$ (1)

(Total for Question 8 is 2 marks)

9 Here is a number sequence.

11	7	3	-1	-5
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Fill in the missing boxes to continue the sequence.

(Total for Question 9 is 2 marks)

10

-36	÷	-9	=	4
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Write a number in the box to make a correct calculation.

(Total for Question 10 is 1 mark)

11 Here is a list of fractions.

$$\frac{5}{20} \quad \frac{11}{44} \quad \frac{4}{16} \quad \frac{8}{32} \quad \frac{6}{28}$$

One of these fractions is not equivalent to $\frac{1}{4}$

Write down this fraction.

$$\frac{6}{28} = \frac{3}{14}$$

$$\frac{6}{28}$$

(Total for Question 11 is 1 mark)

12 Here is a list of numbers

			4^2				7^2
7	10	12	16	21	26	37	49

From the list, write down all the square numbers.

$$16 \text{ and } 49$$

(Total for Question 12 is 1 mark)