

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.**



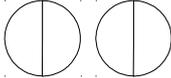
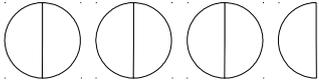
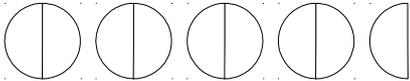
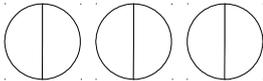
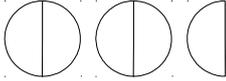
### Information

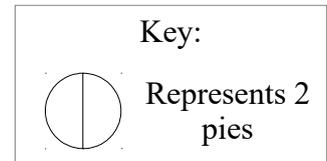
- The marks for each question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*

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

|           |   |
|-----------|---|
| Monday    |  |
| Tuesday   |  |
| Wednesday |  |
| Thursday  |  |
| Friday    |  |



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

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(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.

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

(1)

$$\square \square + \square \square$$

(1)

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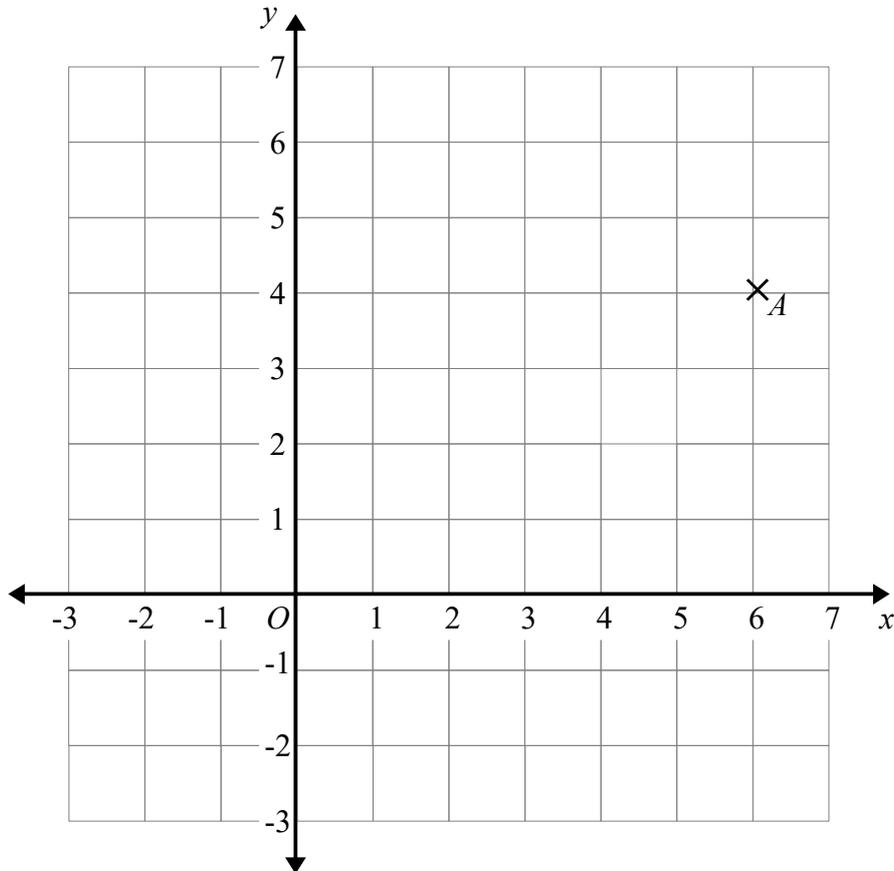
(Total for Question 2 is 2 marks)

3 Change 3 hours to minutes.

..... minutes

(Total for Question 3 is 1 mark)

4



(a) Write down the coordinates of point  $A$ .

(....., .....) (1)

(b) On the grid mark with a cross ( $\times$ ) 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

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

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6 Write down all the factors of 20

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

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

.....minutes

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

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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)**

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9 Here is a number sequence.

|    |   |   |  |  |
|----|---|---|--|--|
| 11 | 7 | 3 |  |  |
|----|---|---|--|--|

Fill in the missing boxes to continue the sequence.

(Total for Question 9 is 2 marks)

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10

$$\boxed{-36} \div \boxed{\dots\dots\dots} = \boxed{4}$$

Write a number in the box to make a correct calculation.

(Total for Question 10 is 1 mark)

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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.

(Total for Question 11 is 1 mark)

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12 Here is a list of numbers

7    10    12    16    21    26    37    49

From the list, write down all the square numbers.

(Total for Question 12 is 1 mark)

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