Name: _____

Maths Genie Stage 2

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 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 Write 7518 to the nearest hundred.

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

2 Write 193.28 correct to one significant figure.

....
(Total for Question 20 is 1 mark)

3 Jane has m marbles.

Charles has 5 more marbles than Jane.

(a) Write an expression for the number of marbles Charles has.

....
(1)

Agatha has 9 fewer marbles than Jane

(b) Write an expression for the number of marbles Jane has.

....
(1)

(c) Write an expression for the total number of marbles Jane, Charles and Agatha have.

....
(2)
(Total for Question 3 is 4 marks)

4 William is going to roll a 6 sided dice and flip a coin.
The dice can land on 1, 2, 3, 4, 5 or 6.
The coin can land on heads or tails.

List all the possible outcomes.

……………………………………………………………………………………………

……………………………………………………………………………………………

……………………………………………………………………………………………

(Total for Question 4 is 2 marks)

5 There are some counters in a bag.

The table shows the number of counters of each colour.

Colour	Red	Blue	Yellow	Green
Number of Counters	4	3	7	5

A counter is taken at random from the bag.

(a) Write down the probability that the counter is green.

....

(1)

(b) Write down the probability that the counter is not blue.

....

(1)

(Total for Question 5 is 2 marks)

6 (a) Simplify $2y \times 3y$

....

(1)

(b) Simplify $9a + 2a - a$

....

(1)

(Total for question 6 is 2 marks)

7 Work out $3591 - 746$

....

(Total for Question 7 is 2 marks)

8   Work out 29.34 + 7.58

....

(Total for Question 8 is 2 marks)

9   Work out 2688 ÷ 7

....

(Total for Question 9 is 2 marks)

10   Work out 56.2 × 8.4

....

(Total for Question 10 is 2 marks)