Name: _____

GCSE (1 – 9)

The Order of Operations
(BIDMAS)

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.**

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 Work out $3 \times 5 - 4$

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

2 Work out $2 + 4 \times 5$

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

3 Work out $(8 - 2) \times 3$

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

4 Work out $5 + 3^2$

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

5 Work out $7 \times 2 - 3 \times 4$

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

6 Work out $(5 + 2)^2$

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

7 Work out $6 + 15 \div 3$

....
(Total for Question 7 is 1 mark)

8 Work out $3 + 10 \times 2^3$

....
(Total for Question 8 is 1 mark)

9   Work out $20 - 2 \times 7$

....

(Total for Question 9 is 1 mark)

10   Work out $5 + 4^2$

....

(Total for Question 10 is 1 mark)

11   Work out $(7 - 4) \times (5 - 1)$

....

(Total for Question 11 is 1 mark)

12   Work out $7^2 + 2 \times 4$

....

(Total for Question 12 is 1 mark)

13   Work out $7 \times (8 - 5)$

....

(Total for Question 13 is 1 mark)

14   Work out $5 + 2 \times 9 \div 3$

....

(Total for Question 14 is 1 mark)

15   Work out $2 \times 6 + 14 \div 2$

....

(Total for Question 15 is 1 mark)

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

....

(Total for Question 16 is 1 mark)

17   Work out $3 + 5 \times 7 + 2$

....
(Total for Question 17 is 1 mark)

18   Work out $2 + (5 + 3)^2$

....
(Total for Question 18 is 1 mark)

19   Work out $(4 \times 10) \div (10 \div 2)$

....
(Total for Question 19 is 1 mark)

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

(a) $4 \times 5 + 3 = 32$ **(1)**

(b) $3 + 4 \times 5 + 6 = 47$ **(1)**

(c) $2 + 7 \times 5 + 3 = 72$ **(1)**

(Total for Question 20 is 3 marks)

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

(a) $2 + 7 \times 3 + 4 = 51$ **(1)**

(b) $4 \times 3 + 2 = 20$ **(1)**

(c) $9 - 7 \times 3 + 5 = 16$ **(1)**

(Total for Question 21 is 3 marks)