

**AQA, OCR, Edexcel**

**GCSE**

# **GCSE Maths**

**BIDMAS and Prime Factors  
Questions**

Name:

**M**

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**Mathsmadeeasy.co.uk**

Total Marks:  /20

## BIDMAS and Prime Factors

1. Use **BIDMAS** to work out the following (non-calculator) :

a.  $\sqrt{10 - 2 \times (-0.5 \times 26)}$

b.  $(14 \times 3) + (7 - 2)$

c.  $2^2 \times 6 + (4^2 - 12)$

(6 marks)

2. Evaluate the following expressions using BIDMAS. Use of a calculator is recommended:

a.  $\sqrt{\frac{2^4 + (\cos(23^\circ) - 13)}{((22 - 3^2)^\circ) + 8 \times \sin(90^\circ)}}$

b.  $\frac{\sin((2^3 - 9^{-1})^\circ)}{16 \times 4 + 9^2}$

(4 Marks)

3. Express the following as product of their prime factors:

a. 125

b. 200

c. 420

d. 900

e. 90

f. 36

g. 999

h. 12030

(10 Marks)