

AQA, OCR, Edexcel

GCSE

GCSE Maths

Standard Form Questions

Name:

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Mathsmadeeasy.co.uk

Total Marks: /28

Standard Form (Non-Calculator)

1. Write down the following in expanded form:

a. 6.3×10^{-1}

b. 5.6×10^{-3}

c. 1.2×10^5

d. 9.9×10^4

e. 5.6×10^{-8}

f. 1.0×10^5

g. 3.1×10^4

h. 1.9×10^{-9}

(8 Marks)

2. Express the following numbers in standard form:

a. 68000000

b. 0.00000023

c. 13000

d. 67

e. 0.0000000000044

f. 1200

g. 400

h. 990000000000

(8 Marks)

3. Evaluate the following expressions. Give your answers in standard form:

i. $4.0 \times 10^{-1} \times 3.0 \times 10^{-3}$

j. $1.2 \times 10^{-3} \div 3.0 \times 10^5$

k. $1.2 \times 10^5 \times 2.0 \times 10^{-9}$

l. $9.0 \times 10^4 \times 3.0 \times 10^4$

m. $5.6 \times 10^{-8} \div 7.0 \times 10^{-1}$

n. $1.0 \times 10^5 \div 5.0 \times 10^{-1}$

(12 Marks)