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GCSE AQA Maths (8300) Foundation Tier

Question Paper

Fully inlined with first assessment 2026 and suitable for students sitting exams 2026+

Topic - Numbers

Standard form - Topic Test 1 Foundation

Marks: 20

Total Marks: / 20

Topic test 1 (20 minutes)
(10 minutes calculator, 10 minutes non-calculator)
Standard form - Foundation

You may use your calculator in this section.

1   Here are five numbers.

     47000   4.5×104   5 × 103   2.8 × 105   125 000

Work out the difference between the largest and smallest numbers.

Give your answer in standard form.

[3 marks]

Answer _____

2   Work out $(5.9 × 107) ÷ (2.3 × 104)$

Give your answer in standard form to 2 significant figures.

[3 marks]

Answer _____

3 Solve $\dfrac{x}{0.02} = 3.1 \times 10{-}4$

Give your answer in standard form.

[2 marks]

$x =$ _____

4 Here are the probabilities of two independent events.

EventA $2.7 \times 10{-}2$
EventB $3.4 \times 10{-}4$

How many times more likely is event A than event B?

[2 marks]

Answer _____

You **must not** use your calculator in this section.

5 Circle the number that is in standard form.

[1 mark]

6.4×5^{-7} 0.9×10^{-7} 1×10^{-7} 10×10^{-7}

6 Write 32 million in standard form.

[1 mark]

Answer _____

7 Write 4.12×10^{-6} as an ordinary number.

[1 mark]

Answer _____

8 Workout $(5 \times 10^{-3})2$
Give your answer in standard form.

[2 marks]

Answer _____

9 The table shows the surface area of six planets.

Planet	Surface area (km2)
A	8.10×10^9
B	460 million
C	6.20×10^{10}
D	7.64×10^9
E	1.45×10^8
F	4.27×10^{10}

9(a) Circle the planet with the smallest surface area.

[1 mark]

A   B   C   D   E   F

9(b) Circle the planet with the largest surface area.

[1 mark]

A   B   C   D   E   F

10 The area of the Earth covered by water is 361 million km2
The area of the Earth **not** covered by water is 149 million km2

Work out the total area of the Earth.
Give your answer in standard form.

[3 marks]

Answer _____ km2