



THIRD SPACE
LEARNING

GCSE Exam Questions

Standard Form | Number

GCSE Exam Questions: Standard Form

1) (a) Write 6.12×10^{-4} as an ordinary number.

(1)

(b) Write 0.00029 in standard form

(1)
(2 marks)

2) (a) Work out the value of $(2.3 \times 10^4) \times (4.1 \times 10^5)$.

Give your answer in standard form.

(2)

(b) How many times larger is (5.1×10^8) than (3.2×10^6) ?

Write your answer as an ordinary number.

(2)
(4 marks)

3) Put these numbers in order of size. Start with the smallest.

0.00082 2.8×10^{-3} 0.208×10^{-5} 0.000802

(3 marks)

GCSE Exam Questions: Standard Form

4) (a) This table shows the population of some countries.

Country	Population
UK	6.6×10^7
India	1.37×10^8
Iceland	3.57×10^5
Japan	1.26×10^8
China	1.4×10^9

Which country has the smallest population?

(1)

(b) What is the difference in population between Japan and the UK?

(2)
(3 marks)

GCSE Exam Questions: Standard Form Answers

	Question	Answer	Marks												
1) (a)	Write 6.12×10^{-4} as an ordinary number	0.000612	(1)												
(b)	Write 0.00029 in standard form.	2.9×10^{-4}	(1)												
2) (a)	Work out the value of $(2.3 \times 10^4) \times (4.1 \times 10^5)$.	$9.43 \text{ or } 10^9$	(1)												
	Give your answer in standard form.	9.43×10^9	(1)												
(b)	How many times larger is (5.1×10^8) than (3.2×10^6) ?	510×10^6 or 0.032×10^8 oe	(1)												
	Write your answer as an ordinary number.	159.375	(1)												
3)	Put these numbers in order of size. Start with the smallest. 0.00082 2.8×10^{-3} 0.208×10^{-5} 0.000802	0.208×10^{-5} 0.000802 0.00082 2.8×10^{-3} Converts all numbers to the same format for comparison 3 numbers are correctly placed	(1) (1) (1)												
3) (a)	This table shows the population of some countries. <table border="1"><thead><tr><th>Country</th><th>Population</th></tr></thead><tbody><tr><td>UK</td><td>6.6×10^7</td></tr><tr><td>India</td><td>1.37×10^8</td></tr><tr><td>Iceland</td><td>3.57×10^5</td></tr><tr><td>Japan</td><td>1.26×10^8</td></tr><tr><td>China</td><td>1.4×10^9</td></tr></tbody></table> Which country has the smallest population?	Country	Population	UK	6.6×10^7	India	1.37×10^8	Iceland	3.57×10^5	Japan	1.26×10^8	China	1.4×10^9	Iceland	(1)
Country	Population														
UK	6.6×10^7														
India	1.37×10^8														
Iceland	3.57×10^5														
Japan	1.26×10^8														
China	1.4×10^9														
(b)	What is the difference in population between Japan and the UK?	$1.26 \times 10^8 - 6.6 \times 10^7$ oe 6×10^7	(1) (1)												

Where to go next?

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