

GCSE Mathematics

F

Standard Form Practice

Foundation, Grade 4-5

Total Marks	Time	Questions
28	28 min	20

Instructions:

- Do not use a calculator when you see: 
- Answer all questions in the spaces provided.
- Show all your working - marks are awarded for method as well as final answers.
- Cross through any work you do not want to be marked.
- Check your answers if you have time at the end.

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Edexcel-style questions

Q1 

Grade 4

Edexcel style

Write 358 000 in standard form.

Answer

teachably

[1 mark]**Q2** 

Grade 4

Edexcel style

Write 6.3×10^4 as an ordinary number.

Answer

teachably

[1 mark]**Q3** 

Grade 5

Edexcel style

Write these numbers in order of size, starting with the smallest: 3.2×10^4 , 5.6×10^3 , 2.1×10^5 , 8.9×10^3

Answer

teachably

[1 mark]

Q4

Grade 5

Edexcel style

Work out $(2 \times 10^3) \times (3 \times 10^2)$. Give your answer in standard form.

Answer

teachably

[2 marks]**Q5**

Grade 5

Edexcel style

Work out $(8 \times 10^6) \div (2 \times 10^2)$. Give your answer in standard form.

Answer

teachably

[2 marks]

AQA-style questions**Q6** 

Grade 4

AQA style

Write 0.000462 in standard form.

Answer _____

teachably

[1 mark]**Q7** 

Grade 4

AQA style

Write 4.7×10^{-3} as an ordinary number.

Answer _____

teachably

[1 mark]**Q8** 

Grade 5

AQA style

Which is larger, 4.5×10^{-3} or 6.2×10^{-4} ? Give a reason for your answer.

Answer _____

teachably

[1 mark]

Q9

Grade 5

AQA style

Work out $(5 \times 10^4) \times (4 \times 10^2)$. Give your answer in standard form.

Answer

teachably

[2 marks]**Q10**

Grade 5

AQA style

Work out $(9 \times 10^5) \div (3 \times 10^{-2})$. Give your answer in standard form.

Answer

teachably

[2 marks]

OCR-style questions**Q11** 

Grade 4

OCR style

Write 72 000 000 in standard form.

Answer

teachably

[1 mark]**Q12** 

Grade 4

OCR style

Write 9.05×10^6 as an ordinary number.

Answer

teachably

[1 mark]**Q13** 

Grade 5

OCR style

Write these numbers in order of size, starting with the largest: 7.1×10^2 , 6.9×10^3 , 8.4×10^2 , 1.2×10^4

Answer

teachably

[1 mark]

Q14

Grade 5

OCR style

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

Answer

teachably

[2 marks]**Q15**

Grade 5

OCR style

Work out $(6 \times 10^4) \div (1.5 \times 10^2)$. Give your answer in standard form.

Answer

teachably

[2 marks]

Teachably-style questions**Q16** 

Grade 4

Teachably style

Write 0.0059 in standard form.

Answer

teachably

[1 mark]**Q17** 

Grade 4

Teachably style

Write 2.8×10^{-5} as an ordinary number.

Answer

teachably

[1 mark]**Q18** 

Grade 5

Teachably style

Which is smaller, 3.6×10^5 or 9.8×10^4 ? Give a reason for your answer.

Answer

teachably

[1 mark]

Q19 

Grade 5

Teachably style

Work out $(6 \times 10^3) \times (5 \times 10^4)$. Give your answer in standard form.

Answer

teachably

[2 marks]

Q20 

Grade 5

Teachably style

Work out $(7.5 \times 10^8) \div (5 \times 10^3)$. Give your answer in standard form.

Answer

teachably

[2 marks]

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