

GCSE Mathematics

F

Types of Number Practice

Foundation, Grade 1-3

Total Marks	Time	Questions
26	26 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 1

Edexcel style

Write down the value of 4^3 .

Answer

teachably

[1 mark]**Q2** 

Grade 1

Edexcel style

Write down the value of 7^2 .

Answer

teachably

[1 mark]**Q3** 

Grade 3

Edexcel style

The n th triangular number is given by $n(n + 1) / 2$.
Work out the 7th triangular number.

Answer

teachably

[2 marks]

Q4

Grade 2

Edexcel style

Here is a list of numbers: 5, 12, 16, 21.

(a) Write down the square number from the list.

[1 mark]

Answer _____

(b) Write down the prime number from the list.

[1 mark]

Answer _____

teachably

[2 marks]**Q5**

Grade 3

Edexcel style

Is 51 a prime number? Give a reason for your answer.

Answer _____

teachably

[1 mark]

AQA-style questions**Q6** 

Grade 1

AQA style

Write down the value of 9^2 .

Answer

teachably

[1 mark]**Q7** 

Grade 2

AQA style

The first four triangular numbers are 1, 3, 6, 10.
Write down the next triangular number in the sequence.

Answer

teachably

[1 mark]**Q8** 

Grade 2

AQA style

Here is a list of numbers: 8, 9, 11, 14.
(a) Write down the square number from the list.

[1 mark]

Answer

(b) Write down the prime number from the list.

[1 mark]

Answer

teachably

[2 marks]

Q9 

Grade 1

AQA style

Write down the value of 2^3 .

Answer

teachably

[1 mark]**Q10** 

Grade 3

AQA style

Is 37 a prime number? Give a reason for your answer.

Answer

teachably

[1 mark]

OCR-style questions**Q11** 

Grade 1

OCR style

Write down the value of 12^2 .

Answer

teachably

[1 mark]**Q12** 

Grade 1

OCR style

Write down the value of 10^3 .

Answer

teachably

[1 mark]**Q13** 

Grade 2

OCR style

The triangular numbers begin 1, 3, 6, 10, 15, 21, ...
Write down the 8th triangular number.

Answer

teachably

[1 mark]

Q14

Grade 2

OCR style

Here is a list of numbers: 6, 27, 29, 33.

(a) Write down the cube number from the list.

[1 mark]

Answer _____

(b) Write down the prime number from the list.

[1 mark]

Answer _____

teachably

[2 marks]**Q15**

Grade 3

OCR style

Is 91 a prime number? Give a reason for your answer.

Answer _____

teachably

[1 mark]

Teachably-style questions**Q16** 

Grade 1

Teachably style

Write down the value of 5^3 .

Answer

teachably

[1 mark]**Q17** 

Grade 2

Teachably style

The triangular numbers follow the pattern 1, 3, 6, 10, 15, ...
Find the 6th triangular number.

Answer

teachably

[2 marks]**Q18** 

Grade 2

Teachably style

Here is a list of numbers: 4, 10, 17, 20.

(a) Write down the square number from the list.

[1 mark]

Answer

(b) Write down the prime number from the list.

[1 mark]

Answer

teachably

[2 marks]

Q19 

Grade 1

Teachably style

Write down the value of 11^2 .

Answer

teachably

[1 mark]**Q20** 

Grade 2

Teachably style

Is 63 a prime number? Give a reason for your answer.

Answer

teachably

[1 mark]**END OF PAPER****Want help from an expert maths tutor?**

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