

GCSE Mathematics

F

Sequences

Foundation | Grades 3-5

Total Marks	Time	Questions
36	36 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 3

Edexcel style

Write the next two terms of the sequence 3, 7, 11, 15, ...

Answer

teachably

[1 mark]**Q2** 

Grade 3

Edexcel style

Describe the term-to-term rule for the sequence 3, 7, 11, 15, ...

Answer

teachably

[1 mark]**Q3** 

Grade 5

Edexcel style

Find the n th term of the sequence 3, 7, 11, 15, ...

Answer

teachably

[2 marks]

Q4

Grade 4

Edexcel style

The n th term of a sequence is $6n + 2$. Find the 10th term.

Answer

teachably

[2 marks]**Q5**

Grade 5

Edexcel style

The n th term of a sequence is $3n + 1$. Is 100 a term in this sequence?

Answer

teachably

[3 marks]

AQA-style questions**Q6** 

Grade 3

AQA style

Write the next two terms of the sequence 2, 5, 8, 11, ...

Answer

teachably

[1 mark]**Q7** 

Grade 3

AQA style

Describe the term-to-term rule for the sequence 2, 5, 8, 11, ...

Answer

teachably

[1 mark]**Q8** 

Grade 5

AQA style

Find the n th term of the sequence 2, 5, 8, 11, ...

Answer

teachably

[2 marks]

Q9

Grade 4

AQA style

The n th term of a sequence is $4n - 3$. Find the 15th term.

Answer

teachably

[2 marks]**Q10**

Grade 5

AQA style

The n th term of a sequence is $4n - 1$. Is 50 a term in this sequence?

Answer

teachably

[3 marks]

OCR-style questions**Q11** 

Grade 3

OCR style

Write the next two terms of the sequence 20, 17, 14, 11, ...

Answer _____

teachably

[1 mark]**Q12** 

Grade 3

OCR style

Describe the term-to-term rule for the sequence 20, 17, 14, 11, ...

Answer _____

teachably

[1 mark]**Q13** 

Grade 5

OCR style

Find the n th term of the sequence 20, 17, 14, 11, ...

Answer _____

teachably

[2 marks]

Q14

Grade 4

OCR style

The n th term of a sequence is $7n + 1$. Find the 12th term.

Answer

teachably

[2 marks]**Q15**

Grade 5

OCR style

The n th term of a sequence is $5n + 3$. Is 78 a term in this sequence?

Answer

teachably

[3 marks]

Teachably-style questions**Q16** 

Grade 3

Teachably style

Write the next two terms of the sequence 1, 6, 11, 16, ...

Answer

teachably

[1 mark]**Q17** 

Grade 3

Teachably style

Describe the term-to-term rule for the sequence 1, 6, 11, 16, ...

Answer

teachably

[1 mark]**Q18** 

Grade 5

Teachably style

Find the n th term of the sequence 1, 6, 11, 16, ...

Answer

teachably

[2 marks]

Q19

Grade 4

Teachably style

The n th term of a sequence is $5n - 2$. Find the 20th term.

Answer

teachably

[2 marks]**Q20**

Grade 5

Teachably style

The n th term of a sequence is $6n - 4$. Is 100 a term in this sequence?

Answer

teachably

[3 marks]**END OF PAPER****Want help from an expert maths tutor?**

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