EXAM PAPERS PRACTICE

GCSE OCR Math J560

Sequences Linear

Question Paper

"We will help you to

achieve A Star "

Question 1

Ben says that 150 is in the sequence.

(b) Is Ben right?

You must explain your answer.

[1 mark]

Question 2

(b) Is 150 a term of this sequence?

You must explain how you get your answer.

[2 marks]

Question 3

*(b) Is 86 a term in the sequence?

You must give a reason for your answer.

[1 mark]

Question 4

(b) Is 121 a term of this arithmetic sequence?
You must explain your answer.

[2 marks]

Question 5

(b) Is 299 a term of this sequence?

You must give a reason for your answer.

[2 marks]

Question 6

Here are the first four terms of an arithmetic sequence.

6 10 14 18

(a) Write an expression, in terms of n, for the nth term of this sequence.

[2 marks]

Question 7

Here are the first 5 terms of an arithmetic sequence.

3 9 15 21 27

(a) Find an expression, in terms of n, for the nth term of this sequence.

[2 marks]

Question 8

Here are the first four terms of an arithmetic sequence.

3 10 17 24

(a) Find, in terms of n, an expression for the nth term of this arithmetic sequence.

[2 marks]

Question 9

Here are the first five terms of an arithmetic sequence.

2 6 10 14 18

(a) Write down an expression, in terms of n, for the nth term of this sequence.

[2 marks]

Question 10

Here are the first four terms of an arithmetic sequence.

11 17 23 29

(a) Find, in terms of n, an expression for the nth term of this arithmetic sequence.

[2 marks]

Question 11

Here are the first five terms of an arithmetic sequence.

2 5 8 11 14

(a) Write down an expression, in terms of n, for the nth term of this sequence.

[2 marks]

Question 12

(c) Write down an expression, in terms of n, for the $(n + 1)$th term of this sequence.

[1 mark]

Question 13

The nth term of a different arithmetic sequence is $3n + 5$

(b) Is 108 a term of this sequence?

Show how you get your answer.

[2 marks]