



n^{th} term of Linear Sequences



SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

1 A linear sequence starts

3 6 9 12 ...

Work out an expression for the n^{th} term of the sequence. [1 marks]

Answer _____

2 A linear sequence starts

6 8 10 12 ...

Work out an expression for the n^{th} term of the sequence. [2 marks]

Answer _____

3 A linear sequence starts

2 5 8 11 ...

Work out an expression for the n^{th} term of the sequence. [2 marks]

Answer _____





4 A linear sequence starts

9 13 17 21 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____

5 A linear sequence starts

7 8 9 10 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____

6 A linear sequence starts

2 7 12 17 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____





7 A linear sequence starts

50 56 62 68 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____

8 A linear sequence starts

-3 7 17 27 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____

9 A linear sequence starts

4 4.5 5 5.5 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____

12

Turn over ►





10 A linear sequence starts

9 7 5 3 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____

11 A linear sequence starts

15 11 7 3 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____

12 A linear sequence starts

9 4 -1 -6 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____





13 A linear sequence starts

1 -8 -17 -26 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____

14 A linear sequence starts

100 89 78 67 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____

15 A linear sequence starts

6 5.8 5.6 5.4 ...

Work out an expression for the n th term of the sequence.

[2 marks]

Answer _____

$\frac{1}{12}$

Turn over ►





16 A linear sequence starts

6 11 16 21 26 ...

Work out the 20th term of the sequence.

[3 marks]

Answer _____

17 A linear sequence starts

1 7 13 19 25 ...

Work out the 50th term of the sequence.

[3 marks]

Answer _____

18 A linear sequence starts

2 6 10 14 18 ...

Work out the 100th term of the sequence.

[3 marks]

Answer _____





19 A linear sequence starts

4 7 10 13 16 ...

Is the number 91 in the sequence?

Tick **one** box

Yes

No

Show working to support your answer.

[3 marks]

20 A linear sequence starts

3 7 11 15 19 ...

Is the number 201 in the sequence?

Tick **one** box

Yes

No

Show working to support your answer.

[3 marks]



Turn over ►





21 A linear sequence starts

7 13 19 25 31 ...

Is the number 124 in the sequence?

Tick **one** box

Yes

No

Show working to support your answer.

[3 marks]

22 A linear sequence starts

50 47 44 41 38 ...

Is the number -10 in the sequence?

Tick **one** box

Yes

No

Show working to support your answer.

[3 marks]

