

Math Unit 1.1

Counting and Sequences



4Nc.04 *Recognise and extend linear and non-linear sequences.*

4Nc.01 *Count back through 0 to negative numbers*

Name: _____

Class: _____

Date: _____

Linear = A number pattern that increases or decreases by the

Non-linear = A number pattern that increases or decreases by a different amount each time.

Write if the sequence is linear or non-linear.

8  12 16 ?

3 5 8 12 ?

-5 -7 -9 -11 ?

25 50  100 ?

4 -1 -6 -11 ?

Name:

Class:

Date:

Term-to-term rule:

The amount a sequence increases or decreases by.

Write the 'term-to-term rule'



2	6	10	14	?	+ 4
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50	30	10	-10	?	
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-5	-7	-9	-11	?	
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25	40	55	70	?	
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4	-1	-6	-11	?	
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Name:

Class:

Date:

Term-to-term rule:

The amount a sequence increases or decreases by.

Write the missing **term** (number)

2		6	8	?	4
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50	30		-10	?	
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	-7	-9	-11	?	
--	----	----	-----	---	--

25	40		70	?	
----	----	---	----	---	--

4		-6	-11	?	
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Name:

Class:

Date:

Term-to-term rule:

The amount a sequence increases or decreases by.

Write the **'term-to-term rule'**

For non-linear sequences, use the words

'increase term by'

3	6	12	21	?	Increase term by 3
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2	4	7	11	?	
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-8	-4	1	7	?	
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10	9	7	4	?	Increase term by 1
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4	-1	-7	-14	?	
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