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الملف Worksheet about Linear non and linear sequences

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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
---	---	----	----	---	----

50	30	10	-10	?	
----	----	----	-----	---	--

-5	-7	-9	-11	?	
----	----	----	-----	---	--

25	40	55	70	?	
----	----	----	----	---	--

4	-1	-6	-11	?	
---	----	----	-----	---	--

Name:


Class:

Date:


Term-to-term rule:

The amount a sequence increases or decreases by.


Write the missing **term** (number)

2		6	8	?	4
---	---	---	---	---	---

50	30		-10	?	
----	----	---	-----	---	--

	-7	-9	-11	?	
--	----	----	-----	---	--

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

4		-6	-11	?	
---	---	----	-----	---	--

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	?	
---	---	---	----	---	--

-8	-4	1	7	?	
----	----	---	---	---	--

10	9	7	4	?	Increase term by 1
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4	-1	-7	-14	?	
---	----	----	-----	---	--