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

LIVEWORKSHEETS

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 ? ____

4NC.04 Recognise and extend linear and non-linear sequences.

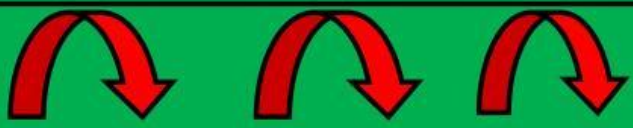
LIVEWORKSHEETS

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	?	

4NC.01 Count back through 0 to negative numbers

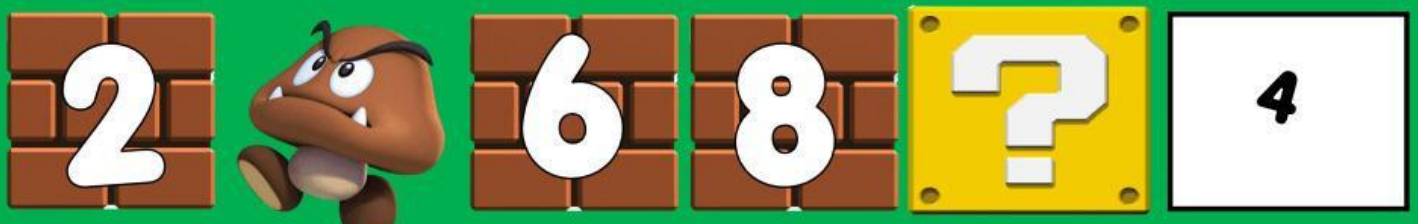
LIVEWORKSHEETS

Name:	Class:	Date:

Term-to-term rule:

The amount a sequence increases or decreases by.

Write the missing term (number)











4NC.04 Recognise and extend linear and non-linear sequences.

LIVEWORKSHEETS

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
2	4	7	11	?	
-8	-4	1	7	?	
10	9	7	4	?	Increase term by 1
4	-1	-7	-14	?	

4NC.04 Recognise and extend linear and non-linear sequences.

LIVEWORKSHEETS