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	?	

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

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 | ? | |

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

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.