Explain the term-to-term	White Rose Maths	2 The terr	n-to-term rule of a sequence is	
				The next term is found previous te
Describe how these sequences change Are the sequences linear or non-linea	e from one term to the next. r? Tick your answers.		The firs	t term of the sequence is 4
a) 73, 65, 57, 49			4, 8,	12, 16
			a) Who	at mistake has Rosie made?
b) 48, 24, 12, 6	linear non-line	ar 🔄		
			b) Writ	e the correct sequence using t
	linear non-line	ar 🗌		
	linogr non-lino		3 Ron is d	lescribing the sequence 5, 10,
d) 4, 7, 11, 18, 29				
e) $\frac{1}{2}$, 1, 1 $\frac{1}{2}$	linear non-line	ar 🗌	Describe	e the sequence in a different w
	linear non-line	ar		

is:

d by multiplying the erm by 4

writes out the sequence

the term-to-term rule.

), 20, 40,80 ...

First you add 5, then add 10, then add 20, then add 40 . . .

way.

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The first two terms of a Fibonacci sequence are 1 and 1 The term-to-term rule is:

> To find the next term, add the two previous terms together.

- a) Write the first seven terms of the sequence.
- **b)** What is the first term that is greater than 30?

A sequence starts with 1, 3 ...

The children describe the term-to-term rule of the sequence.



a) Explain why all the children could **b)** Which children are describing linear term-to-term rules? c) Which children are describing non-linear sequences? d) Whose sequence would have the greatest 5th term? Why? A sequence starts 300, 500, 900, 1700, 3300 ... Describe the two-step term-to-term rule.

d	be	correct.



