Relationships

The first slide is a template for how students could set out their page.

There are then 6 slides with questions on.

The final slide shows all 6 separate questions; pupils must complete all 6 boxes for each of the 6 questions.

Algebraic rule for n th term	Sequence	Table of C	oordinates
		X	y
		0	
1 , —		1	
y =	,,,,	2	
		3	
		4	
		5	
Number Machines	Written Sentence	Gr 9	aph
	To get y	8 7 6 5 4 3	

Algebraic rule for nth term

Sequence

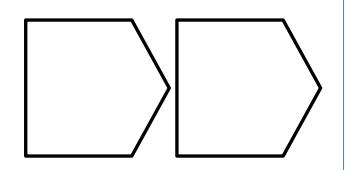
Table of Coordinates

Question 1:

$$y = 2x + 3$$

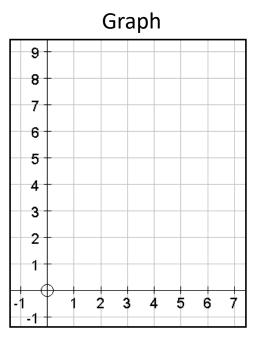
X	y
0	
1	
2	
3	
4	
5	

Number Machines



Written Sentence

To get y...



Sequence

Table of Coordinates

Question 2:

5,9,13,17,21...

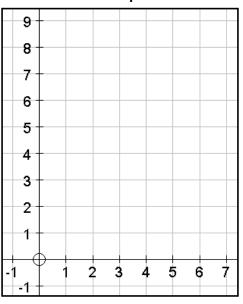
χ	y
	у
0	
1	
2	
3	
4	
5	

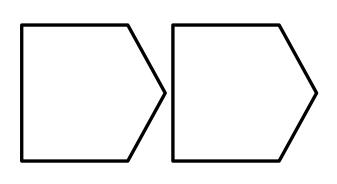
Number Machines

Written Sentence

To get y...







Algebraic rule for n^{th} term y=

Sequence

Table of Coordinates

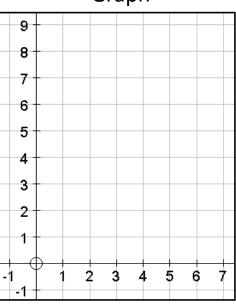
Question 3:) <u>y</u>
1	4
2	7
3	10
4	13
5	16

Number Machines

Written Sentence

To get y...

Graph



Algebraic rule for nth term

Sequence

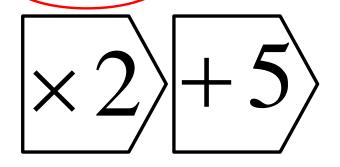
Table of Coordinates

$$v =$$

X	y
0	
1	
2	
3	
4	
5	

Number Machines

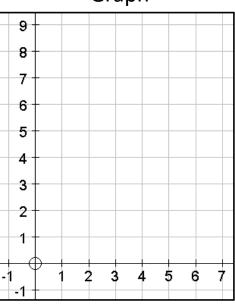
Question 4:



Written Sentence

To get y...

Graph



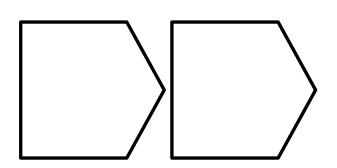
Sequence

Table of Coordinates

_,,,,	

X	y
0	
1	
2	
3	
4	
5	

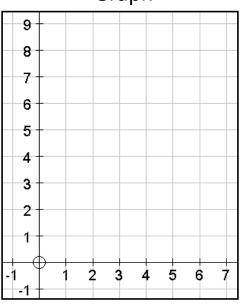
Number Machines



Written Sentence

multiply the x value by 6 and subtract 4

Graph



Algebraic rule for n th term	Sequence	Table of Co	oordinates
		X	у
		0	
7 ? —		1	
<i>y</i> —		2	
		3	
		4	
		5	
Number Machines	Written Sentence	Gra Question 6:	aph
	To get y	7 6 5 4 3 4 5 6 7 1 1 2 3 4 5 6 7	

Algebraic rule for nth term

Sequence

Table of Coordinates

Question 1:

$$y = 2x + 3$$

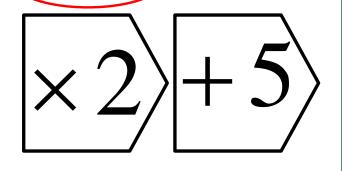
Question 2:

5,9,13,17,21...

Question 3:	<i>y</i> 1
1	4
2	7
3	10
4	13
5	16

Number Machines

Question 4:



Written Sentence

Question 5:

multiply the x value by 6 and subtract 4

