

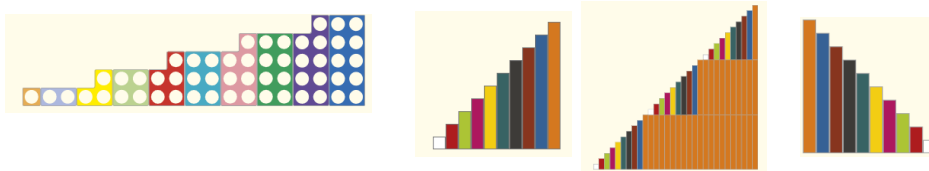
Maths - Year 3

Pattern and Algebra 2: Exploring steps of constant size through sequences of multiples

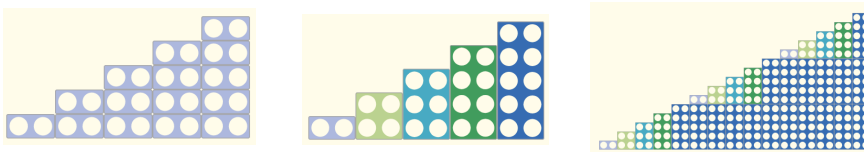
Key Vocabulary		Mathematical Skills
Increasing	Getting larger in number or size.	- Understand the rule of a sequence by explaining it clearly, e.g. 'you step up (or down) one each time.' - Use a pattern to identify missing numerals by explaining they can see where the pattern is broken. - Count in multiples of 2, 3, 4, 5, 8 and 10.
Decreasing	Getting smaller in number or size.	
Ascending order	Lowest to highest or smallest to largest.	
Descending order	Highest to lowest or largest to smallest.	
Sequence	An ordered list of numbers, shapes or objects.	
Ordinal numbers	First, Second, Third, Fourth, Fifth etc.	
Multiple	The product of two whole numbers e.g. $5 \times 3 = 15$	
Difference	The value of subtracting one number from another.	

Mathematical Methods

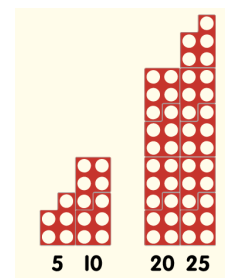
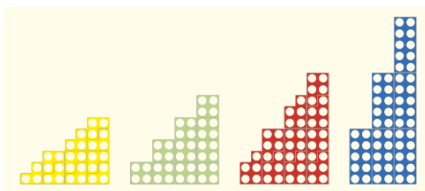
- Exploring patterns that increase and decrease by 1.



- Exploring patterns that increase or decrease by 2, moving on to a multiple of 2 sequence.



- Multiples of 3, 4, 5, 8 and 10 sequences, and completing missing sequences.



- Exploring sequences of multiples on the 100 square.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
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61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Can you..?

- Complete this sequence: 388, _____, 386, _____, _____, 383, _____
- Complete this sequence: 117, _____, 123, 126, _____, _____
- Colour a pattern for the multiples of 8.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
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- What numbers can you put in the Venn Diagram?

