Maths - Year 1

Number and the Number System 3: Exploring number lines and counting in steps

Key Vocabulary
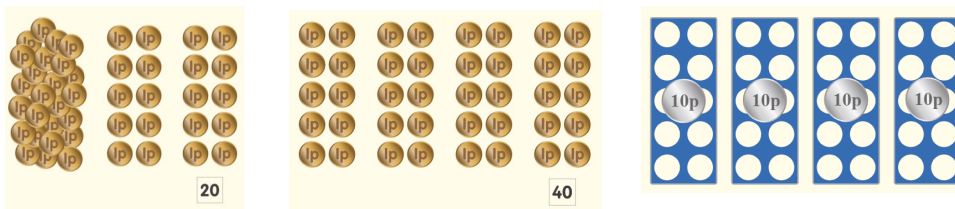
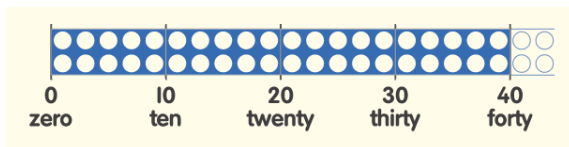|	
Positional language	Before, after, between.
Numeral	A symbol or group of symbols that represents a number.
Number line	A horizontal line showing numbers at regular intervals
Group	A number of things put together.
Tens	Refers to the number of multiples of 10 in an amount e.g. 34 has 3 tens.
Ones	Refers to the number of ones in a number e.g. 34 has 4 ones and 3 tens.
Sequence	An ordered list of numbers, shapes or objects.

Mathematical Skills

- Find the last number in a count on a 0-100cm number line.
- Distinguish between teen and 'ty' numbers on a number line without confusion e.g. 15 and 50.
- Recite the sequence of tens numbers, starting at 0.
- Build any tens number between 0 and 100 with Numicon shapes, number rods or 10p coins.
- Write down the sequence of tens numerically, starting at 0.
- Recite the sequence of twos, starting at 0, and place 2-shapes on the Numicon 10s number line as they do so.
- Recite the sequence of fives, starting at 0, and place 5-shapes on the Numicon 10s number line as they do so.
- Have strategies for finding numbers on the number line, e.g. using the tens numbers as 'signposts'.
- Say the numbers that are next to any tens number, e.g. for 30, say 29 and 31.
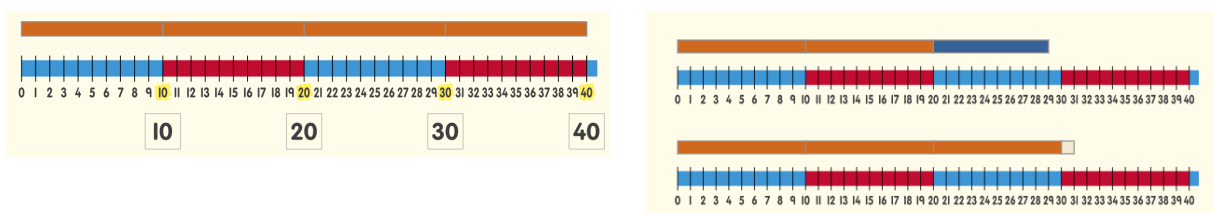
Mathematical Methods

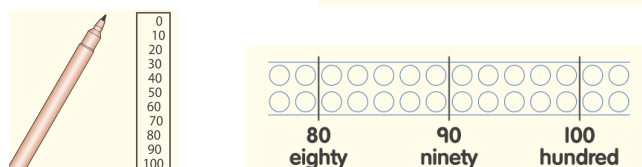- Finding how many 1p coins by grouping and counting in tens.

- Making a 10s number line.

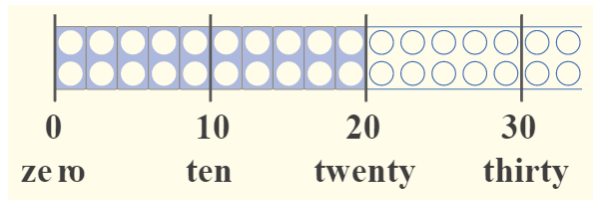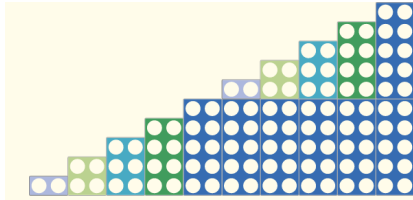- Connecting 10-rods with the Numicon 0 - 100cm number line.

- Labelling tens numbers.

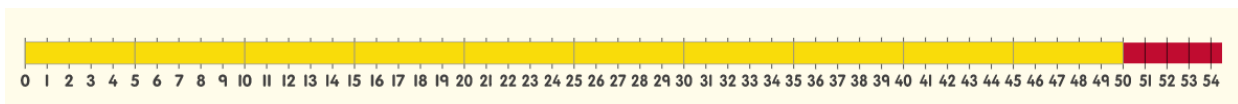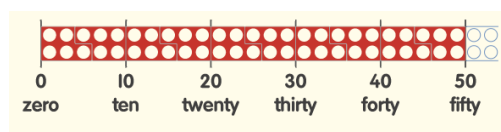- Looking at tens numbers on number tracks and number lines.

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

- Counting in twos.

0	10	20	30
zero	ten	twenty	thirty

- Counting in fives.

0	10	20	30	40	50
zero	ten	twenty	thirty	forty	fifty

0 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

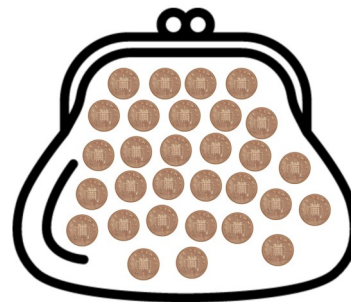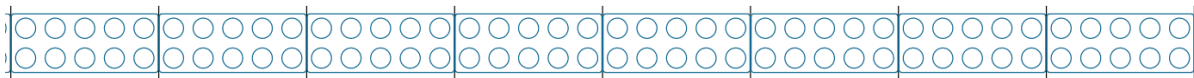## Can you..?

- How many 1p coins are in my purse? Use grouping to help you.

- Can you count in fives along this number line? You can use the 5-shapes to help you. Can you count backwards in fives too?

- Can you count in twos along this number line? You can use the 2-shapes to help you. Can you count backwards in twos too?