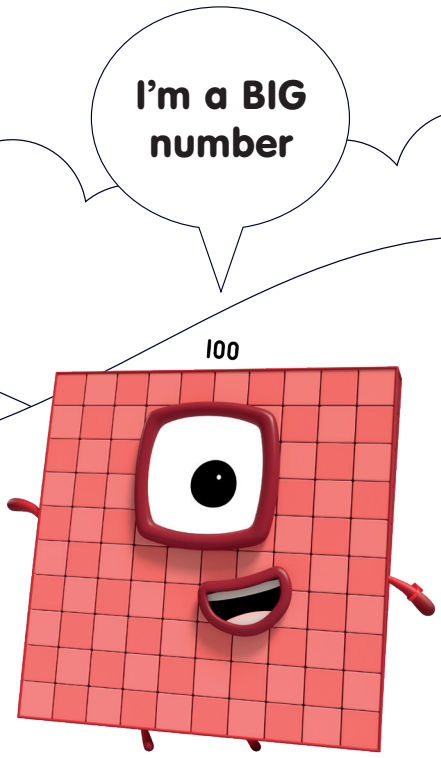
18 May 2022 National Numeracy Day

One Hundred

Watch the episode "One Hundred" on BBC iPlayer and YouTube

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



How many groups of 10 are there in 100? ☐

How many groups of 20 are there in 100? ☐

Divide the 100 square into 4 equal parts
How many numbers are in each part? ☐

Calling all Number Explorers!

Choose 2 numbers that are diagonally opposite from the grid. For example...

	4
13	

13-4 =9

	5
14	

14-5 =9

Will it always be 9?

Numberblocks

As seen on CBeebies BBC

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Visit our website for more number fun activities for #NationalNumeracyDay and why not continue the number fun with the Numberblocks World app?

numberblocks.tv

Number Magic

LEVEL 5

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Notes for grown-ups

MATHEMATICS

- Recognise that 100 is made of 10 tens, 5 twenties and 4 twenty fives.
- Explore number relationships on a 100 grid.

ACTIVITIES

- Identify the number of 10s and 20s in 100.
- Divide 100 into 4 equal parts and recognise that there are 25 numbers in each part and possibly make the connection that 25 is ¼ of 100.

ACTIVITY SOLUTIONS AND EXPECTATIONS

There are 10 groups of 10 and 5 groups of 20 in 100, children can count the rows or columns in the 100 grid. Drawing a line down the middle and across the 100 grid will divide the grid into 4 equal parts with 25 squares in each. Knowing that there are 4 groups of 25 in 100 will support later work on fractions and reading scales.

Exploring the difference between 2 numbers that are diagonally opposite each other on the grid e.g. 5 and 16 reveals an interesting pattern, the difference is always either 11 (if the diagonal runs from left to right) or 9 if the diagonal runs from right to left e.g. 5 and 14. If children are unable to calculate the difference with subtraction, they can circle the numbers and then count along the rows to get from one number to the other. Spotting number patterns and being curious about why the patterns occur is important in children becoming successful mathematicians.