

## Number & Place Value: Read, write and represent numbers to 100

Learning focus Read numbers 1 to 100 in numerals, using number tracks, number lines and number squares to identify where they lie, individually or in blocks, e.g., Identify the 'fifties' on a 100-square.



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Refer to materials used, such as tens and ones boards with base 10 apparatus, and talk about what has been Learning focus done their work, e.g., 'I have 3 tens and 4 ones and that is 34.'

MathsHUBS **Greater Depth Challenge:** 

How many different ways are there to show **35**?

You can use Numicon, Dienes, place value counters, coins, arrow cards, pictures etc.

MathsHUBS London South Wes **Greater Depth Challenge:** How many different ways are there to show **15-4**?

You can use Numicon, Dienes, place value counters, coins, arrow cards, pictures etc.

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**Greater Depth Challenge:** 

How many different ways are there to show **15-9**?

You can use Numicon, Dienes, place value counters, coins, arrow cards, pictures etc.

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**Greater Depth Challenge:** 

How many different ways are there to show **22+ 11**?

You can use Numicon, Dienes, place value counters, coins, arrow cards, pictures etc.



Number & Place Value: Read, write and recognise the place value of each digit in a two-digit number (tens, ones).

Learning focusExplain why it is necessary to have a 0 in some numbers, e.g., 40.Explain why there is a place keeping zero in the tens numbers, e.g., How is 40 different from 4?





Learning focusWrite numerals for numbers to 100, understanding that numbers from 10 to 99 have 2 digits, and why it is<br/>important that the order of the digits is correct, e.g., Be able to explain the difference between 14 and 41.









Learning focusPartition two-digit numbers in different ways, including into multiples of 10 and 1, with and without concrete<br/>apparatus to support subtraction, e.g.,<br/>32 = 30 + 2 and 20 + 12 so 32 - 12 = 20 and 32 - 20 = 12.

My number is 45	Greater Depth Challenge: My number is 49.
Partition it in different ways to make these statements true. 40 + 5 = 20 +	Partition it in different ways to make these statements true.
30 + = +	+ = + -

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Learning focus Know what each digit in a two-digit number represents using apparatus to support the explanation, e.g., 'In 23 the 2 has a value of 20.

Greater Depth Challenge:

How is the value of 3 different in these numbers?

30 and 13

Explain or show using apparatus.

 Greater Depth Challenge:

 I am thinking of a number.

 It has more than 6 tens and less than 4 ones.

 What is my number?

 How many answers are there? Use apparatus to show them.



## <u>Number & Place Value</u>: Compare and order numbers from 0 up to 100; use <, > and = signs.

Learning focus

Recognise odd and even numbers in context:





Learning focusKnow that the tens digit in a two-digit number is more significant than the units digit when deciding on size, e.g.,<br/>position a number in the correct place on an un-numbered number track.<br/>Order a selection of numbers in ascending and descending order, discussing the value of their digits and considering<br/>their relative positions on a number line, e.g., 65, 56, 66, 55.





Learning focus	Compare the size of two numbers using the <, > and = symbols correctly to record comparisons.	
	Explain the relationship between three or more numbers, e.g., 15 is greater than 3 but less than 62.	





## Number & Place Value: Count in steps of 2, 3, and 5 from 0,

Learning focus	Count forwards in multiples of 2 from 0.
	Count backwards in multiples of 2 from any multiple up to 12×.
	Recognise digit patterns.



**Greater Depth Challenge:** 

How do you know that 18 is in the 2 times tables?

What numbers between 10-20 are not in the pattern?



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Greater Depth Challenge: Sam counts backwards in 2s. He says:

"20, 18, 15, 14, 12..."

What is the problem?

Explain how you know.



Learning focusCount in multiples of 5Count forwards in multiples of 5 from 0.Count backwards in multiples of 5 from any multiple up to 12×.Recognise digit patterns.

MathsHUBS London South West Greater Depth Challenge:	Condon South West Greater Depth Challenge:
If I start at 0 and count in 5s, will I say any of these numbers: <b>17, 30, 45</b> ? Explain how you know.	How do you know that 25 is in the 5 times tables? What numbers between 30-50 are in the pattern?



Learning focus Count confidently forwards and backwards in multiples of 10 from any number and use to solve problems, e.g., 'How much change is needed from £1 if you spend 45p?' (count on in 10s from 45p) Recognise patterns when counting in tens, forwards or backwards, from any start number, e.g., when counting backwards or forwards in 10s from 16 the numbers always end in 6.

