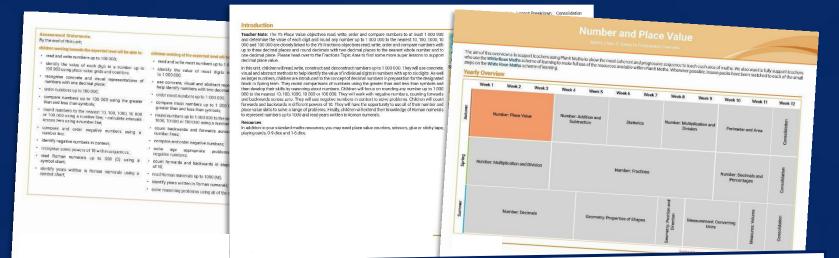


Number and Place Value



Maths | Number and Place Value | Read and Write Numbers | Lesson 1 of 7: Read and Write Numbers to 100 000

Need a coherently planned sequence of lessons to complement this resource?



See our Number and Place Value Steps to Progression document.



Read and Write Numbers to 100 000



Aim

• To read and write numbers up to at least 100 000.

Success Criteria

- I can read and write numbers up to 100 000 in words.
- I can read and write numbers up to 100 000 in digits.
- I can partition numbers up to 100 000.
- I can use different representations to make numbers up to 100 000.



Remember It



Partition the numbers and write the value of each number in words. An example has been given.

421	400 + 20 + 1	four hundred and twenty-one
909		
1 208		one thousand, two hundred and eight
2 580		
7070	7000 + 70	
9019		





In year 4, we found out that the value of a given digit is 10 times the size if it moves one place to the left on the place value grid.

	×1	0	×	10
Ten Thousands	Thousands	Hundreds	Tens	Ones

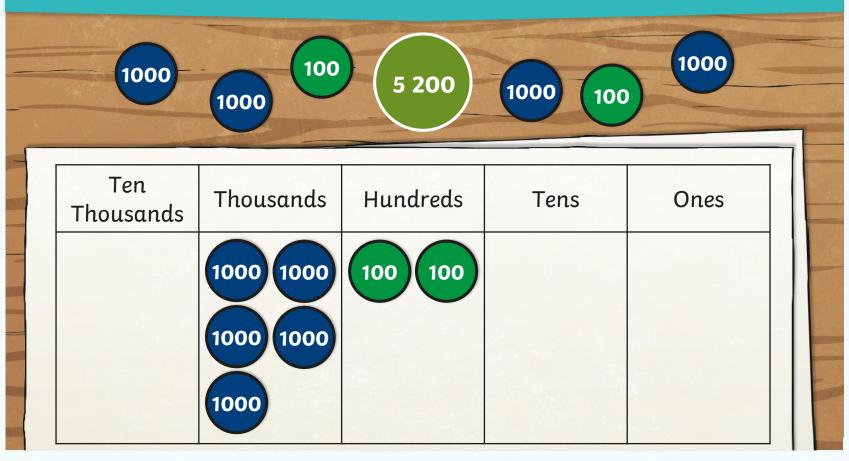
10 is ten times the size of one.

What would ten times the size of one hundred be? 1000





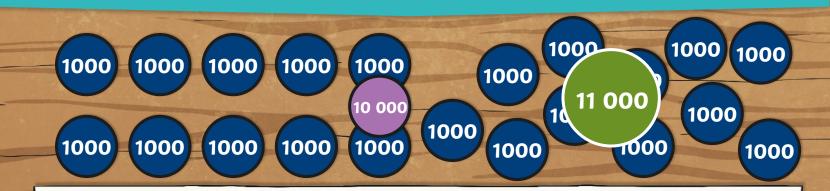
Add up the place value counters to help find the value.







Add up the place value counters to help find the value.



Thousands Thousands Hundreds	Tens	Ones





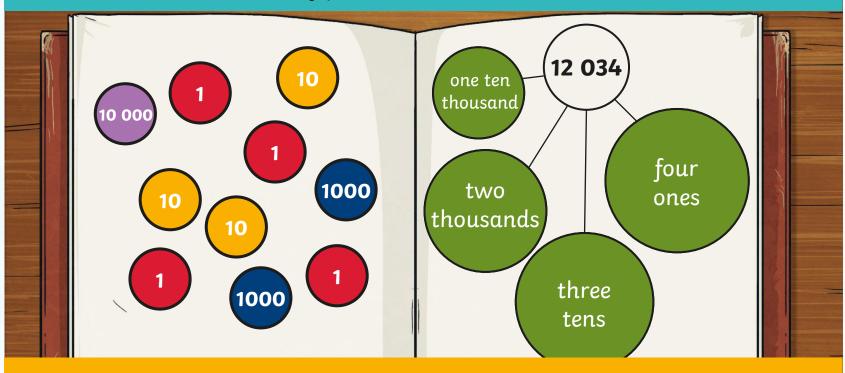
	22 110 ² v	22 120	ւ <mark>el</mark> 22 109	
Ten Thousands	Thousands	Hundreds	Tens	Ones
10 000 10 000	1000 1000	100	10 10	
10 000	10 000 1	00 1		
	1000	10		
1000 10				



Parts of Numbers



John makes the number 12 034 from a random selection of place value counters.



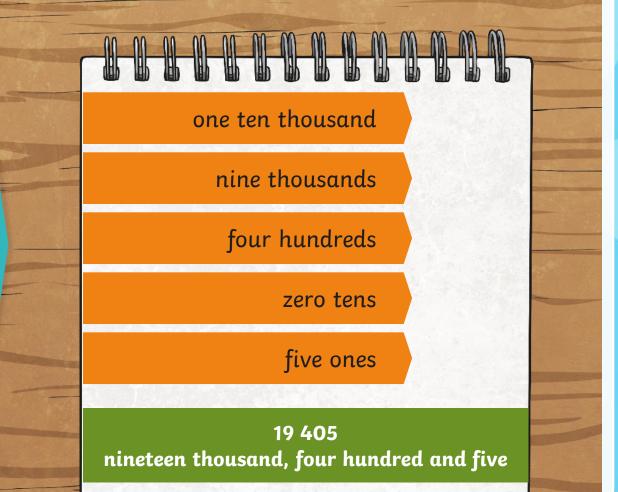
Can you describe each part of this number?



Parts of Numbers



John makes the number 12 034 from a random selection of place value counters.







We can use a place value grid to help us read large or small numbers.

We always enter numbers into the place value grid starting from the right.

76 293

millions	Ten Thousands	Thousands	Hundreds	Tens	Ones
	7	6	2	9	3





The place value grid helps us to see the value of each digit in the number, so that we can read it easily.

76 293

Ten Thousands	Thousands	Hundreds	Tens	Ones
7	6	2	9	3

seventy-six thousand, two hundred and ninety-three





Use the place value grid to help you read the amounts shown.

95 550	ninety-five thousand, five hundred and fifty
23 405	twenty-three thousand, four hundred and five
90 019	ninety thousand and nineteen

Ten Thousands	Thousands	Hundreds	Tens	Ones
2	B	Ð	0	θ





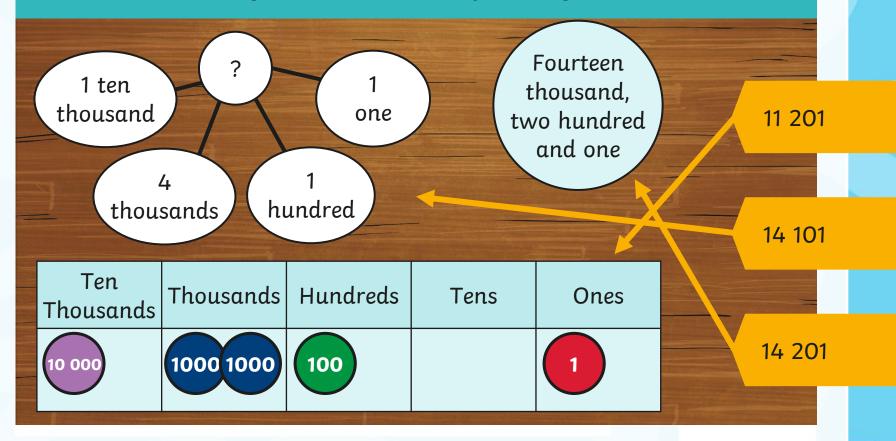
Use a place value grid to help read the following numbers out loud.

76 293	
	Seventy-six thousand, two hundred and ninety-three
80 002	Eighty-thousand and two
99 019	Ninety-nine thousand and nineteen





Use a place value grid to help read the following numbers out loud.





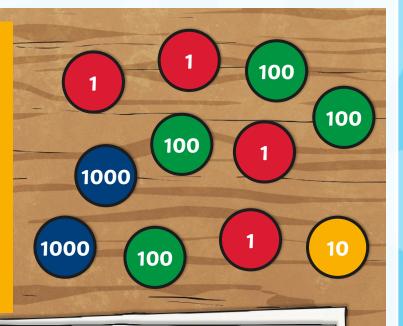
Lucky Dip



With a partner, choose 10 place value counters at random.

Use a place value grid to help sort the counters into the correct sections, representing a number up to 100 000.

Read the number out loud and check that your partner agrees.



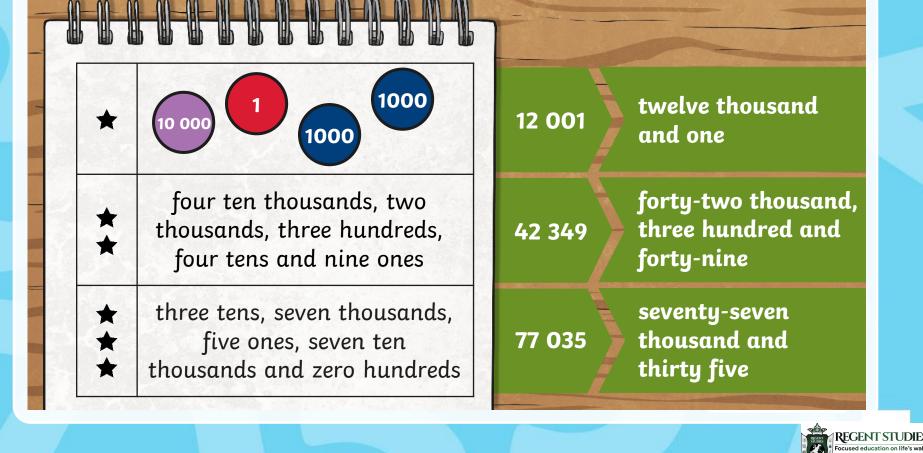
Ten Thousands	Thousands	Hundreds	Tens	Ones	



Composing Numbers



Use a place value grid to help you to write each number in words and digits. Be careful, as some may be written out of order.





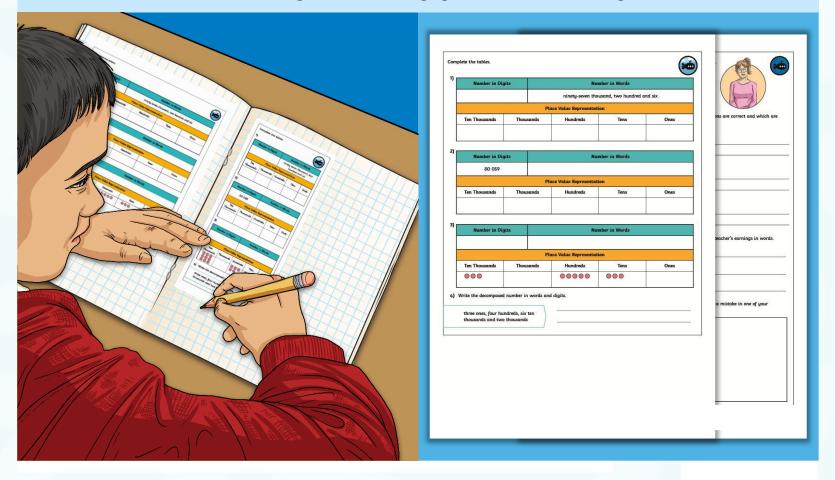
Read and Write Numbers to 100 000 Activity Sheet

		east 100 000.		To read and write numbers to at le	ast 100 000.			To read and write	e numbers to at least	100 000.	00
tch the represent	tation to the correct number.		1. Match the represen	tation to the correct number.		1. M	1atch the represent		ct number. 12 207	21 11	2
one hundred, o en, three thousa four ten thousa and four one	ands, inds 43 000 4	43 500		(a) (b) (c) (c) (c) (c) (c) (c) (c) (c	l and	2. D	Draw counters to re a. 1582		twelve thousand, t hundred and seve t place value of each	n one hi	i-one thousar indred and or n.
Number	to correctly show the different rep Number in Words	resentations	Number as Digits	Number in Words	Par	-	Ten Thousands	Thousands	Hundreds	Tens	Ones
as Digits		six ones, ten thou:			six ones, ten thou:		b. 5009 Ten Thousands	Thousands	Hundreds	Tens	Ones
	eight thousand, five hundred and sixty-nine		12 45 3			l	c. 28 082				
		seven on		eight thousand, five hundred and sixty-nine		F	Ten Thousands	Thousands	Hundreds	Tens	Ones
					four ten :	3. V	Vrite the numbers i	n words.			
90 009					Joan ton	Γ	56 939				
to the partition	ad numbers in words	- 1		number shown and counts forwar	ds in 100's.		91 007				
			What number will	he say second?		4. C	Complete the partiti	on diagram to he	lp describe the place	value of each d	igit in the nur
	ed numbers in words.		 James starts at the What number will 		four ten ds in 100's.	[56 939 91 007		p describe the place	value of each d	igit in 1



Diving into Mastery

Dive in by completing your own activity!

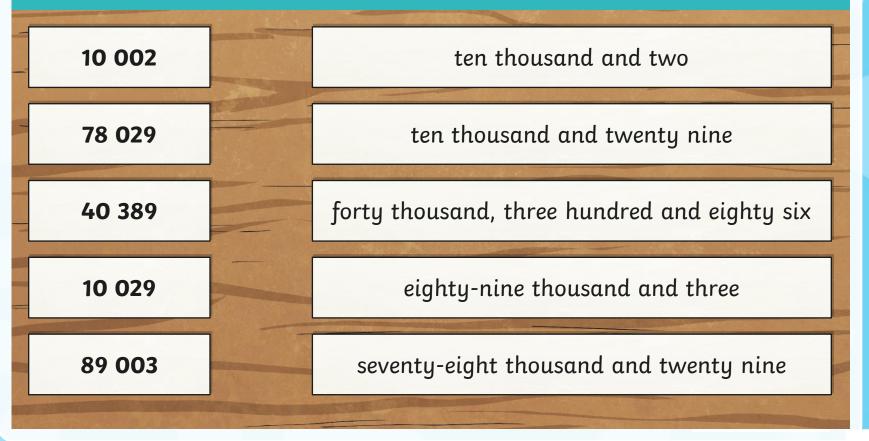




Number Puzzles



Can you match up these numbers in words and digits?





Aim

• To read and write numbers up to at least 100 000.

Success Criteria

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