



# Maths Knowledge Organiser — Number: Represent, Compare and Order



## Key Vocabulary

Understand these key words

Word	Definition
<b>represent</b>	To show a number or value using words, objects or resources.
<b>compare</b>	To examine the differences between numbers, quantities and values to decide if it is greater than, smaller than or equal to another quantity.
<b>order</b>	To put numbers, quantities and values in their correct place following the pattern of the number system.
<b>number</b>	A <b>number</b> is a mathematical object used to count, measure, and label: 1, 2, 3, 4, etc.
<b>quantity</b>	An amount, number or measurement that answers the question 'how much?'
<b>value</b>	The result of a calculation.
<b>more than greater than</b>	Increasing in value or getting larger.
<b>less than fewer than</b>	Decreasing in value or getting smaller.

Year 2

Read, Write and Represent Numbers to 100

14	fourteen	one ten four ones			<table border="1"><tr><td>Tens</td><td>Ones</td></tr><tr><td>●</td><td>●●●●</td></tr></table>	Tens	Ones	●	●●●●	
Tens	Ones									
●	●●●●									
29	twenty-nine	two tens nine ones			<table border="1"><tr><td>Tens</td><td>Ones</td></tr><tr><td>●●</td><td>●●●●●●●●</td></tr></table>	Tens	Ones	●●	●●●●●●●●	
Tens	Ones									
●●	●●●●●●●●									
42	forty-two	four tens two ones			<table border="1"><tr><td>Tens</td><td>Ones</td></tr><tr><td>●●●●</td><td>●●</td></tr></table>	Tens	Ones	●●●●	●●	
Tens	Ones									
●●●●	●●									

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
zero one two three four five six seven eight nine eleven thirteen fifteen seventeen nineteen  
ten twelve fourteen sixteen eighteen twenty

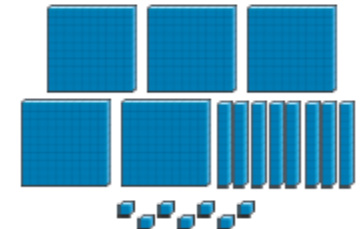
Year 3

## Represent Numbers to 1000

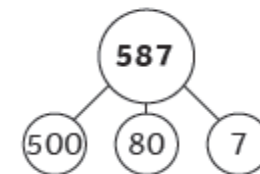
587

five hundred and eighty-seven

Hundreds	Tens	Ones



$$500 + 80 + 7$$



Hundreds	Tens	Ones

## Numerals and Words to 1000





# Maths Knowledge Organiser — Represent, Compare and Order



Year 2

### Order Numbers

36 37 38 39 40 41 42 43 44

$37 < 39 < 42$

45 48 52 53 61

smallest greatest

Year 3

### Compare and Order

100s 10s 1s

$324 > 243$   
greater than

100s 10s 1s

$79 < 126$   
less than

smallest greatest

497 508 512 521 602

500 600

Year 4

### Compare and Order

Th H T O

$4324 > 3243$   
greater than

Th H T O

$879 < 2126$   
less than

smallest greatest

2497 2508 3012 3521 3530 4002

Year 5

### Compare and Order

equals

$26 + 38 = 8 \times 8$

Both calculations have the value 64.

greater than

$23\ 873 > 8256$

The number on the left has 2 ten thousands and the number on the right has 0 ten thousands.

less than

$901\ 198 < 1\ 091\ 098$

The number on the right has 1 million and the number on the left has 0 millions.

smallest greatest

898 6735 6835 7019 9002 11 235

Year 5

### ROMAN NUMERALS

I	II	III	IV	V
1	2	3	4	5
VI	VII	VIII	IX	X
6	7	8	9	10
XI	XII	XIII	XIV	XV
11	12	13	14	15
XVI	XVII	XVIII	XIX	XX
16	17	18	19	20
XXV	XXX	XXXV	XL	XLV
25	30	35	40	45
L	LX	LXX	LXXX	XC
50	60	70	80	90
C	CXXV	CCL	D	M
100	125	250	500	1000

Year 6

Read, write, represent, compare and order numbers to ten million.

Year 3

### Roman Numerals

one	1	I
five	5	V
ten	10	X
fifty	50	L
one hundred	100	C

$XVIII = 18$   
 $XXIX = 29$   
 $LXXXIV = 84$