

Year 5—Number and Place Value



Key Vocabulary

Zero	The number before one. It is neither positive or negative.
Ones	Single units between 1 and 9
Tens	Ten single units make 1 ten. The digit in the tens column shows how many tens the number has.
Hundreds	One hundred single units, or 10 tens, make one hundred. The digit in the hundred column shows how many hundreds the number has.
Thousands	One thousand single units, 10 hundreds or 100 tens, make one thousand. The digit in the thousand column shows how many thousands the number has.
Millions	One million single units, 1000 thousands, 10000 hundreds or 100000 tens, make one million. The digit in the millions column shows how many millions the number has.
Increase	Becoming greater in value.
Decrease	Becoming smaller in value.
Compare	Look for similarities and/or differences between at least two objects or numbers.
Order	To place numbers in sequence according to a given criteria (ie ascending)
Round	To use the nearest multiple (usually nearest 10 or 100) in order to make estimating and calculating easier.
Negative Number	A number that is less than zero.
More/ Greater than	A greater amount.
Less/ Fewer than	A smaller amount or not as much.
Ascending	Numbers that are arranged from smallest to largest .
Descending	Numbers that are arranged from biggest to smallest.
Partition	Breaking a whole number down into its different parts.
Digit	One of the ten numerals 0 to 9 used to make up all numbers.
Roman Numeral	A system of symbols used to represent numbers that were developed by the Romans.

Compare and Order

equals	greater than	less than					
$26 + 38 = 8 \times 8$	$23\ 873 > 8256$	$901\ 198 < 1\ 091\ 098$					
Both calculations have the value 64.	The number on the left has 2 ten thousands and the number on the right has 0 ten thousands.	The number on the right has 1 million and the number on the left has 0 millions.					
smallest	898	6735	6835	7019	9002	11 235	greatest

Compare and Order

4324 > 3243
Greater than

Th	H	T	O
4	3	2	4

879 < 2126
Less than

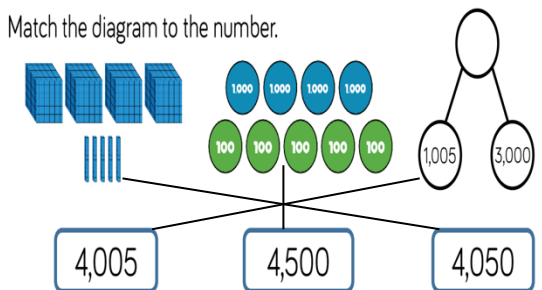
Th	H	T	O
8	7	9	

Ascending				
0	50	100	150	200
Descending				
200	150	100	50	0

ROMAN NUMERALS

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

Match the diagram to the number.



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St Ralph Sherwin
Catholic Multi Academy Trust

Negative Numbers



Counting in Sequence

Counting in 6s

0	6	12	18	24	30	36	42	48	54	60
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Counting in 7s

0	7	14	21	28	35	42	49	56	63	70
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Counting in 9s

0	9	18	27	36	45	54	63	72	81	90
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Counting in 25s

0	25	50	75	100	125	150	175	200	225	250
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Counting in 1000s

0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10 000
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Counting in Powers of 10

Counting in 10s

365	375	385	395	405	415
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The tens increase until 9 tens becomes one more hundred and 0 tens.

Counting in 100s

2841	2941	3041	3141	3241	3341
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The hundreds increase until 9 hundreds becomes one more thousand and 0 hundreds.

Counting in 10 000s

276 109	286 109	296 109	306 109
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The ten thousands increase until 9 ten thousands become one more hundred thousand and 0 ten thousands.

Counting in 100 000s

2 972 151	3 072 151	3 172 151	3 272 151
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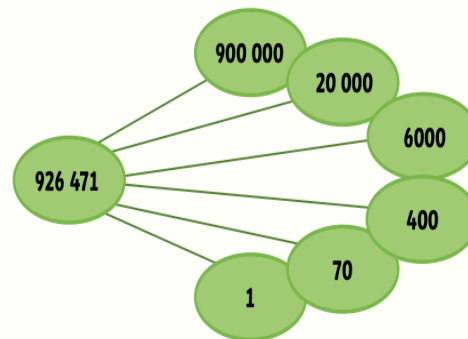
The hundred thousands increase until 9 hundred thousands becomes one more million and 0 hundred thousands.

Numbers to One Million

926 471

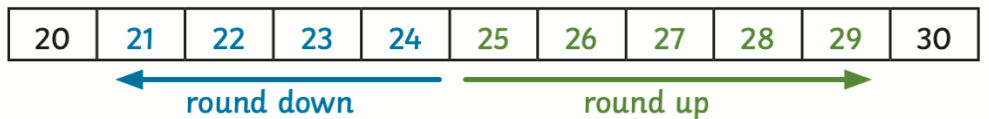
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
9	2	6	4	7	1

nine hundred and twenty-six thousand, four hundred and seventy-one

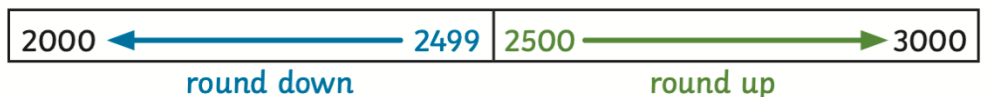


Rounding

Rounding to the nearest 10



Rounding to the nearest 1000



Rounding to the nearest 100 000

