

Number and Place Value

Knowledge Organiser

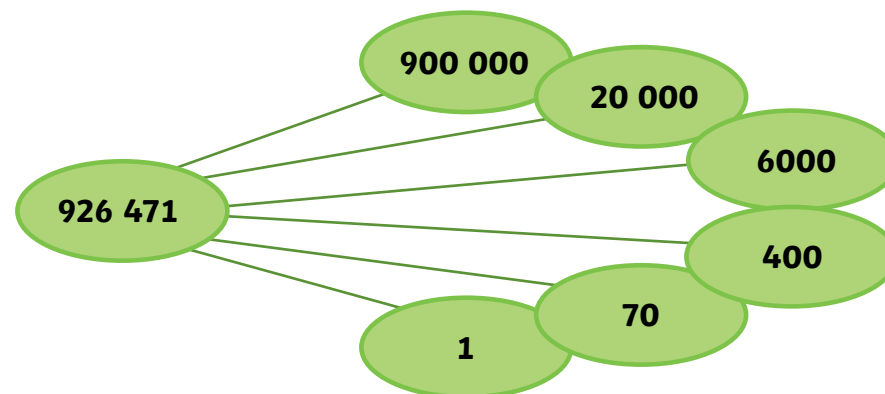
Key Vocabulary	Compare and Order																			
millions	equals		greater than		less than															
thousands	26 + 38 = 8 × 8		23 873 > 8256		901 198 < 1 091 098															
hundreds	Both calculations have the value 64.		The number on the left has 2 ten thousands and the number on the right has 0 ten thousands.		The number on the right has 1 million and the number on the left has 0 millions.															
tens																				
ones																				
zero																				
place value	smallest	898	6735	6835	7019	9002	11 235	greatest												
greater than																				
less than																				
order																				
round																				
rounded																				
negative number																				
partition																				
digit																				
interval																				
sequence																				
linear sequence																				
Negative Numbers																				
Counting in Powers of 10																				
Counting in 10s				Counting in 100s																
<table><tr><td>365</td><td>375</td><td>385</td><td>395</td><td>405</td><td>415</td></tr></table>				365	375	385	395	405	415	<table><tr><td>2841</td><td>2941</td><td>3041</td><td>3141</td><td>3241</td><td>3341</td></tr></table>					2841	2941	3041	3141	3241	3341
365	375	385	395	405	415															
2841	2941	3041	3141	3241	3341															
The tens increase until 9 tens becomes one more hundred and 0 tens.				The hundreds increase until 9 hundreds becomes one more thousand and 0 hundreds.																
Counting in 10 000s				Counting in 100 000s																
<table><tr><td>276 109</td><td>286 109</td><td>296 109</td><td>306 109</td></tr></table>				276 109	286 109	296 109	306 109	<table><tr><td>2 972 151</td><td>3 072 151</td><td>3 172 151</td><td>3 272 151</td></tr></table>					2 972 151	3 072 151	3 172 151	3 272 151				
276 109	286 109	296 109	306 109																	
2 972 151	3 072 151	3 172 151	3 272 151																	
The ten thousands increase until 9 ten thousands become one more hundred thousand and 0 ten thousands.				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



Roman Numerals

	I = 1	II = 2	III = 3	
IV = 4	V = 5	VI = 6	VII = 7	VIII = 8
IX = 9	X = 10	XI = 11	XX = 20	XXX = 30
XL = 40	L = 50	LX = 60	LXX = 70	LXXX = 80
XC = 90	C = 100	CL = 150	CC = 200	CCC = 300
CD = 400	D = 500	DC = 600	DCC = 700	DCCC = 800
CM = 900	M = 1000	MC = 1100	MD = 1500	MM = 2000



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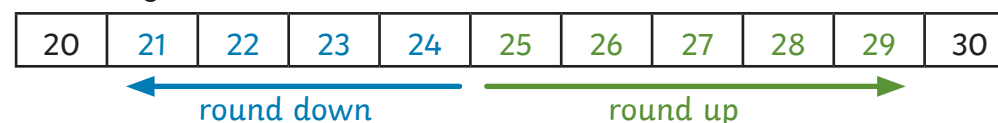
CCXLVIII = 248

DCCLXXXIV = 784

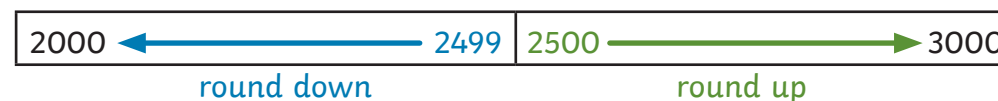
MMXIX = 2019

Rounding

Rounding to the nearest 10



Rounding to the nearest 1000



Rounding to the nearest 100 000

