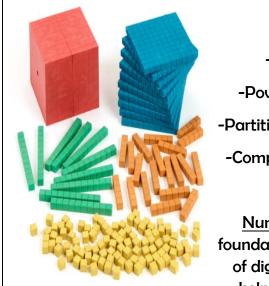


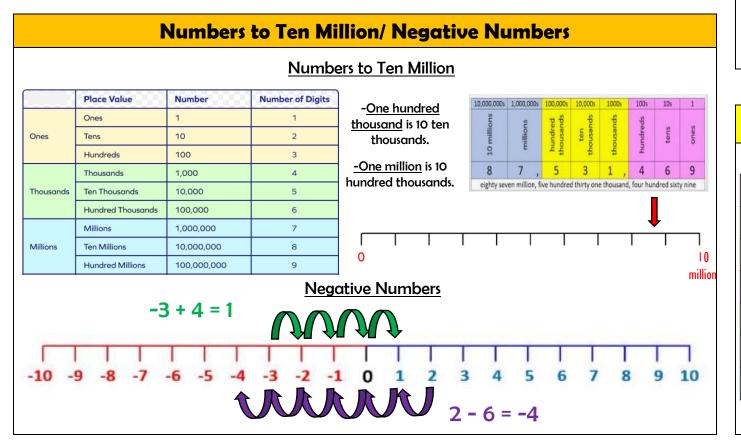
NUMBER and PLACE VALUE KNOWLEDGE ORGANISER -

Overview

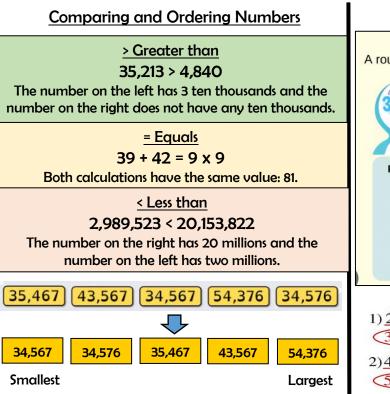


Number and Place Value we learn:			
-Numbers to One Million -N	Numbers to Ten Million		
-Powers of 10 -10/ 100/ 1,000/ 1	0,000/ 100,000 More/Less		
-Partition Numbers to 10,000,000	-Number Line to 10,000,000		
-Compare/Order to 10,000,000	-Round within 10,000,000		
-Round any integers	Negative Numbers		

Number and Place Value is useful learning because it is the foundation for all other maths. It helps us to understand the value of digits of numbers and to use mental calculation methods. It helps us to use maths functionally in many areas of our lives.



Comparing and Order



Gattegno Chart/ Powers of 10

Gattegno Chart								
1,000,000	2,000,000	3,000,000	4,000,000	5,000,000	6,000,000	7,000,000	8,000,000	9,000,0
100,000	200,000	300,000	400,000	500,000	600,000	700,000	800,000	900,00
10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,00
1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9

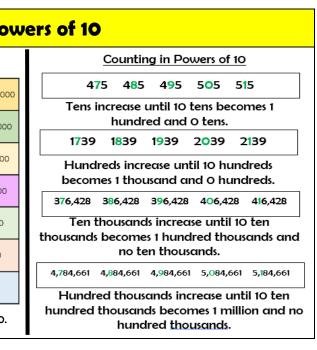
The Gattegno Chart shows that 200,000 is one hundred times bigger than 2,000.

				Key Vocabula	iry		
Ten Millions	Negative Number	Interval	Sequence	Linear Sequence	Place Value	Partitioning	Nume

Year	t



ering/ Rounding				
Rounding				
Rounding Numbers A rounded number has about the same value as the starting number, but it is less exact.				
Find your place Look next door 5 or greater, add one more				
Round to the nearest ten	Round to the nearest hundred			
5 <mark>4</mark> → 50	4 <mark>1</mark> 5 → 400			
$55 \rightarrow 60$	950 → 1000			
313 → 310 549 → 550	7261 → 7300 7221 → 7200			
1221 → 1220	7221 → 7200 364 <u>3</u> 0 → 36400			
Round to the nearest million.				
1) 2,879,900 3) 6,456,909 5) 345,897,906				
3,000,000 6,000,000 346,000,000				
$(2) \underline{4,500,976} (4) \overline{79,957,908} (6) \underline{667,905,643} \\ (5,000,000) (80,000,000) (668,000,000) \\ (668,000,000) (668,000,000) (668,000,000) \\ (668,000,000) (668,000,000) (668,000,000) \\ (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000) (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000,000) (668,000) (668,000) (668,000) (668,000) (668,00$				



nerals

Powers of

Integers