

**National curriculum objectives:**

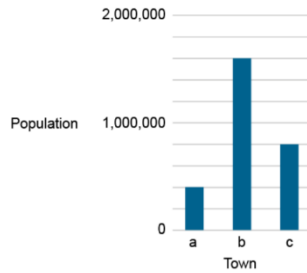
- read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
- round any whole number to a required degree of accuracy
- use negative numbers in context, and calculate intervals across zero, including in the context of temperature

**Key Vocabulary**

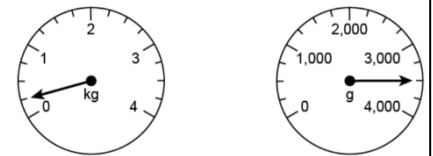
number, numeral  
 zero, none  
 equal to, equivalent to, is the same as  
 more, less  
 most, least  
 tally  
 many  
 odd, even  
 multiple of, factor of, factor pair  
 sequence, continue, predict, pattern  
 pair, rule  
 relationship  
 next, consecutive  
 > greater than, < less than  
 ≥ greater than or equal to  
 ≤ less than or equal to  
 Roman numerals  
 integer, positive, negative  
 above/below zero, minus  
 negative numbers  
 formula  
 divisibility  
 square number  
 prime number  
 ascending/descending order  
 place, place value  
 stands for, represents  
 exchange  
 factorise  
 prime factor  
 ascending/descending order  
 digit total

**Possible assessment questions:**

The bar chart shows the approximate populations of 3 different towns. What are the populations?



What mass does each scale show?

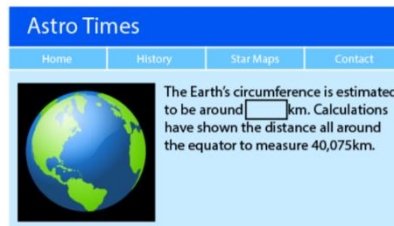


Some children are trying to raise £200,000 for charity. The diagram shows how much they have raised so far.



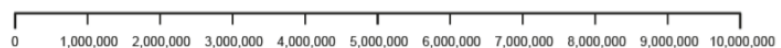
- How much money have they raised?
- How much more money do they need to raise to meet their target?

What might the missing number be in this web page?



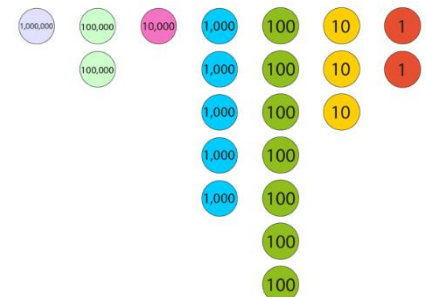
1. Show roughly where each of these numbers is located on the number line below.

2,783,450      7,000,500      5,250,000      8,192,092      99,000



**Key representations:**

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



6,265,973

1,215,732

Millions			Thousands			Ones		
100s	10s	1s	100s	10s	1s	100s	10s	1s
		1	0	0	0	0	0	0

