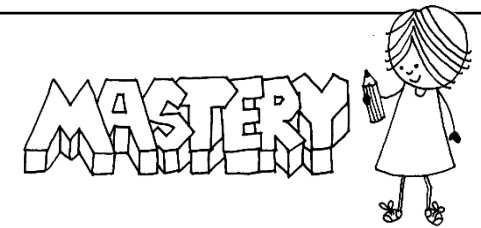


Year 6 – Number and Place Value
Read, Write, Order and Compare



1 i) Gemma says that the number four million, thirty-two thousand, seven hundred and forty five is written: 4,32,745. Explain to her why this is not the way to write this number in digits.

ii) While discussing place value, Thomas says that the tens of thousands column is worth 20 times the value of the hundreds column. Luke says that it is actually worth 100 times the value. Who is right? Try to explain why.

2 Always, sometimes or never?

- If the first digit of a number is greater than zero, its value is more than all the other digits' values added together
- You can compare two numbers by looking only at one digit in each number
- A zero in the hundreds of thousands column has greater value than any digit in the thousands column

3 How many different ways can you add the missing digits to make the statements correct?

a) $3\square5,467 < 366,781 < 379,8\square7$

b) $\square,236,475 \leq 2,23\square,475 \leq 2,238,129$

4 Lola is thinking of a 6-digit number. The digit in the hundreds column is greater than the one in the thousands column. The number is greater than 799,999, but smaller than 899,999. The digit in the thousands column is the same as in the hundreds of thousands column. The digit in the tens of thousands column has less value than the one in the thousands column. The number is a multiple of 10. What could her number be? How many possibilities are there?

5 Ben has been told that there are more than 8 thousands in the number 478,247. He is confused; can you help him understand?