**Sum of three *Natural* numbers a, b and c is 10. How many ordered triplets (a, b, c) exist?**

**A seven-digit number comprises of only 2's and 3's. How many of these are multiples of 12?**

**If all words with 2 distinct vowels and 3 distinct consonants were listed alphabetically, what would be the rank of “ACDEF’?**

**How many numbers of up to 5 digits can be created using the digits 1, 2, 3 and 5 each at least once such that they are a multiple of 15?**

**If all the rearrangements of the word AMAZON are considered, what is the probability that M will feature between the 2As?**

**How many 3-digit numbers greater than 500 contain the digit 9 appearing at least once?**