1. How many ways can the word L U C A S be arranged? Ans 120
2. How many ways can 4 letter word be formed from the word L U C A S if L must be first letter on the left? Ans 24
3. How many ways can the word L U C A S be arranged if the vowels must come together? Ans 48
4. How many ways can the word L U C A S be arranged if the vowels must be separated? Ans 72
5. How many ways can the word B R E T T be arranged? Ans 60
6. How many ways the word B R E T T be arranged if B must be first letter on the left? Ans 12
7. There are 10 pens, of which 8 are red and 2 are blue, in a box. In how many ways can I choose 3 pens of which
8. All are red? Ans 56
9. 1 is blue? Ans 56
10. At least 2 are red? Ans 112