Question:

For vowels to come together in how many ways you can arrange the word 'LEAD'?

Answer:

If the EA vowels are assembled all the time, they can form one character.

Then, we must edit the LD (EA) characters.

Now, 3 characters (2 + 1 = 3) can be arranged in 3! = 3 * 2 * 1 = 6 ways.

Vowels (EA) can be arranged in 2! = 2 * 1 = 2 ways.

Required number of words = (6 x 2) = 12.