If a matrix has 12 elements, then what are the possible orders it can have?

Solution :

Number of elements = Number of rows × Number of columns

$12 = m \times n \ \ (m, n \in N)$

Possible Order $= 1 \times 12 \ , 2 \times 6 \ , 3 \times 4 \ , 4 \times 3 , 6 \times 2 \, , 12 \times 1$