



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

Solution :

Number of elements = Number of rows  $\times$  Number of columns

$$12 = m \times n \quad (m, n \in \mathbb{N})$$

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