

② There are 84 more than 4 times the # of countries in the world than states in India. The sum of the two is 224. Find how many of each.

① Least info:

of states in India

So... Let x = states in India

② Describe other using x

$84 + 4x$ = countries in world

③ Make equation:

$$x + 84 + 4x = 224$$

④ Solve:

$$\begin{array}{r} 5x + 84 = 224 \\ -84 \quad -84 \\ \hline 5x = 140 \\ x = 28 \end{array}$$

⑤ Answer question:

28 states in India

$84 + 4(28) = \text{196}$ countries in world