2 unKnowns/1 Variable

- (1) Sally's older brother, Bob, is 2 years older than Sally. The Sum of their ages is 8. How old is each one?
 - ① Least info?
 About Sally
 So... Let x = Sally
 - 2 Describe other using x
 Bob is 2 yrsolder...
 50... x+2 = Bob
 - 3 Make an equation x + x + 2 = 8Sally + Bob = 8
 - 4) Solve the equation x + x + 2 = 8 2x + 2 = 8 2x 2 2x = 6

- 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.
 - OLeast 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
 - 9 Solve: 5x + 84 = 224 -84 - 84 5x = 140x = 28
- @Answer questim:

28 states in India
84+4(28) = #0 196 countries in world