

## Answer on Question #55126 – Math – Statistics and Probability

True or False? Justify.

If the probability of being left-handed is 0.1, the probability that none of the 3 persons selected randomly is left-handed is 0.729.

### Solution

If the probability of being left-handed is 0.1, then the probability that none of the 3 persons selected randomly is left-handed will be

$$p(0) = (1 - 0.1) * (1 - 0.1) * (1 - 0.1) = 0.9^3 = 0.729.$$

So, the statement is true.

**Answer:** true.