Answer on Question #76204 – Math – Statistics and Probability

Question

A pair of dice is thrown. If the sum on the two dice is 9, find the probability that one of the dice showed 3.

Solution

The sample space of rolling a total of nine on two dice: {(3,6), (4,5), (5,4), (6,3)}.

The outcomes that involve rolling 3: {(3,6), (6,3)}

$$P = \frac{X}{N} = \frac{2}{4} = 0.5$$

Answer: the probability that one of the dice showed 3 is 0.5.