

Answer on Question #44051 – Math - Statistics and Probability

A box contains 3 yellow Y , 4 red R , and 5 blue marbles B . In an experiment, one draw is made from the box and the outcome is recorded.

How many outcomes are in this sample space?

Solution

A sample space in this experiment is

$$\{Y, Y, Y, R, R, R, R, B, B, B, B, B\}.$$

Number of possible outcomes is $3 + 4 + 5 = 12$.