Answer on Question #49000 –Math – Statistics and Probability

There are 6 cherries, 3 oranges and 2 lemon candies. What is the probability of getting 3 cherries?

Solution.

The event A – ``we get 3 cherries''.

$$P(A) = \frac{m}{n};$$

$$n = C(11, 3) = \frac{11!}{8! \, 3!} = 165;$$

$$m = C(6, 3) = \frac{6!}{3! \, 3!} = 20;$$

$$P(A) = \frac{20}{165} = \frac{4}{33} \approx 0.12$$

Answer: $P(A) \approx 0.12$