Conditions

The odds in favor of a family with 3 children having all girls are 1to 7
what is the probability of this event occuring?
if 100 three children families surveyed how many of these would most likely have girls

Solution

As the probability of some event (in classical definition) means the rate between all favorable outcomes of the event to all possible outcomes, we can conclude, that the probability for three children family having all 3 girls is equal to 1/7.

If we can say, that 1 of 7 surveyed families have 3 girls, then we must multiply 1/7 on 100 to find the average number of families with 3 girls.

$$\frac{1}{7} \cdot 100 = 14{,}285714285714285714285714285714$$

We can say, that **generally**, there are 14 families (from 100 families with 3 children) have all 3 girls.