



Experimental probability--Estimating the probability of an event by performing the activity many times and using the results to estimate the probability

Sample Space--all possible outcomes from an event

Given: 2 coins (Nickel & Quarter) and 3 marbles (2 purple, 1 blue)

Select 1 coin and 2 marbles. List the sample space.



What is the probability of selecting a nickel and at least one purple marble?

 $\frac{2}{6} = \frac{1}{3}$ $Prob(blue) = \frac{4}{6} = \frac{2}{3}$



