MATHCOUNTS®

60% of the time, *Alli* is able to grab an ORANGE from the branch that is 1 METER above the water, and 30% of the time she is able to grab an ORANGE from the branch that is 1.5 METERS above the water. When she grabs an ORANGE from one branch, she moves on to the other branch; however, when Alli doesn't grab an ORANGE she tries again at that same height.

If she starts with the lower branch and continues to alternate between the two branches, WHAT IS THE PROBABILITY associated with the most likely scenario in which she gets exactly 2 ORANGES, one from each branch, in HER FIRST 5 ATTEMPTS? Express your answer as a common fraction.