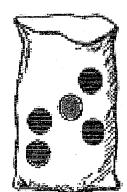
Date: Complete with your group after the activity.

There are 5 marbles in a bag. Four are blue and one is red. If a marble is selected **at random** from the bag and **not replaced** back into the bag, the chance of drawing the red marble will keep increasing with each **consecutive** draw.

The probabil	ity started at	to	After dra	wing a marble,
it then increa	sed to out	of	From there,	it went to
to	. And then	to	Finally,	:·

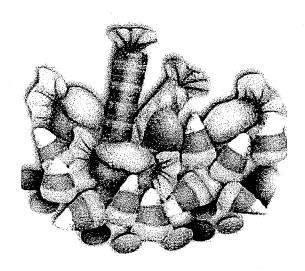


Would it be **equally likely** to choose a red or a blue marble from the bag? Why or why not?

Lets look at the marble bag again. If a marble is selected **at random** and **replaced** into the bag (or with replacement), the chance of drawing the red marble will not increase with each consecutive draw.

With replacement, will the probability of choosing a red marble change with each draw? Why or why not?





There are 3 red candies left in a bag of multicolored candies with a total of 20 candies in it. The probability that you will get a red one when you reach in is ______. But what are your chances of getting a red one if you reach in again? There are now ______ candies in the bag and only two are red. The probability of choosing another red candy is ______. Choosing the first candy affected the outcome of the next attempt. The two events are ______ (independent or dependent?)

You know that the probability of landing heads up when you flip a coin is _____. What is the probability of getting tails if you flip again? Are these events dependent or independent? Explain why.



Go to your vocabulary sheet and fill in the definitions for independent event, dependent event, at random, equally likely, with replacement, and consecutive. You may use your textbook.