**Introduction to tree diagrams**

Name…………………………………………………. date………………

![C:\Users\lbrown.TLANET.000\AppData\Local\Temp\Temporary Internet Files\Content.IE5\H1CCDCRI\MC900431609[1].png]()

P( red) =

P(blue)=

Sam takes out one ball and records the colour and puts it back. He then takes another ball and again records its colour.

List the different combinations he can pick.

|  |  |
| --- | --- |
| First pick | Second pick |
|  |  |
|  |  |
|  |  |
|  |  |

You can list all the outcomes in a tree diagram.

 Pick 1 Pick 2



What is the probability I get 2 red counters?

P() =

P() =