

Try It! - Coin Flip

1) During a coin toss at a football game, what is the probability of a coin landing heads up?

\$= 50%



2)What is the probability of a coin landing heads up <u>3 times in a row?</u> $\frac{1}{2} \cdot \frac{1}{2} = \frac{1}{8}$







Mono-Hybrid Cross

4) Millhous Van Houten and Lisa Simpson recently attended the Springfield Elementray King of Hearts dance together. Millhouse is homozygous for nearsightedness (meaning that he needs glasses) but Lisa can see fine without glasses. Nearsightedness is a dominant trait. Complete a Punnett Square to show the possibilities that would result if Millhouse and Lisa had children.





- a. probability of child needing glasses $\frac{1}{100}$
- b. probability of child not needing glasses

Di-Hybrid Cross

4) Millhouse Van Houten and Lisa Simpson recently attended the Springfield Elementary King of Hearts dance together. Millhouse and Lisa both have straight hair. Lisa has yellow hair and Millhouse has blue hair. The following are their genotypes B=blue, b=yellow, C=curly, c=straight

