

### Punnett Square Practice Problems

1. Cross a homozygous dominant tall pea plant with a heterozygous pea plant. T= tall and t = short
  - a. What percentage will be short?
  - b. What percentage will be tall?
  - c. What are the genotypes and phenotype ratios?
  
3. What genotypic ratio of offspring should be expected from the cross AaBb x AAbb?
  
  
5. Lauren, who has blood type AB, marries Sal who has type B blood but whose mother has type O.
  - a. List the genotypes of Lauren, Sal and Sal's mother.
  - b. What are the percent possibilities for the blood type of their offspring.
  
  
6. In hamsters, rough coat (R) is dominant over smooth coat (r) and brown coat (B) is dominant over white coat(b). If you cross a homozygous rough, homozygous brown guinea pig with a smooth white one:
  - a. What will be the genotypes of the parents?