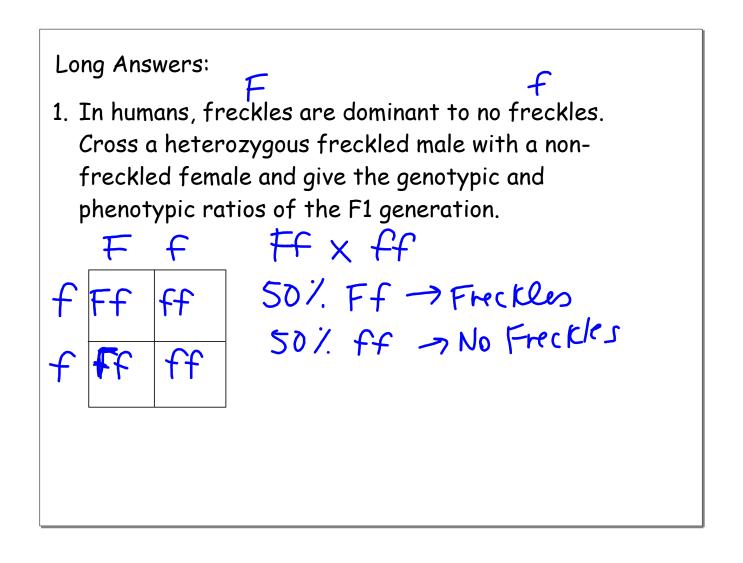


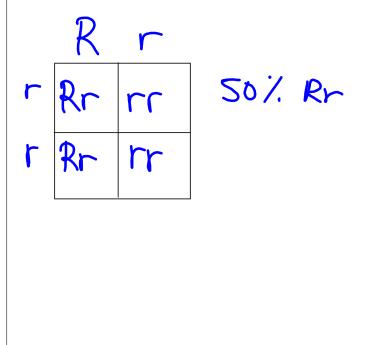
Co-Dominance - Both alleles are expressed (AB blowd) Multiple Alleles - There are more than 2 alleles (A, B, O) Polygenic Inheritance -Many genes are responsible for expressing (Skin color) (Rod/white/Pink) Hetcrozygous expression is Incomplete Dominance - inbetween dom. Évrecessive

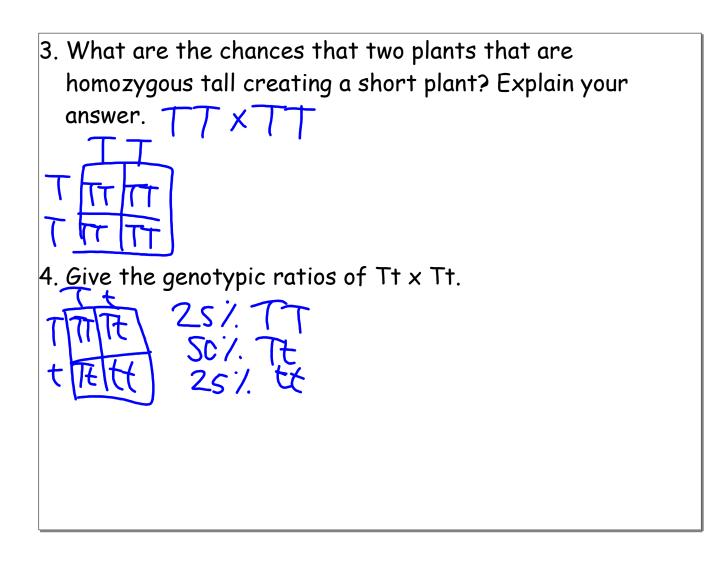
Epistasis - masking of a gene due to the (albino) presence of a gene on a different Test Cross - Used to determine an unknown ginotype Law of Dominance - one allele is expressed over the other Law of Independent Assortment -2 traits can be expressed seperate from another

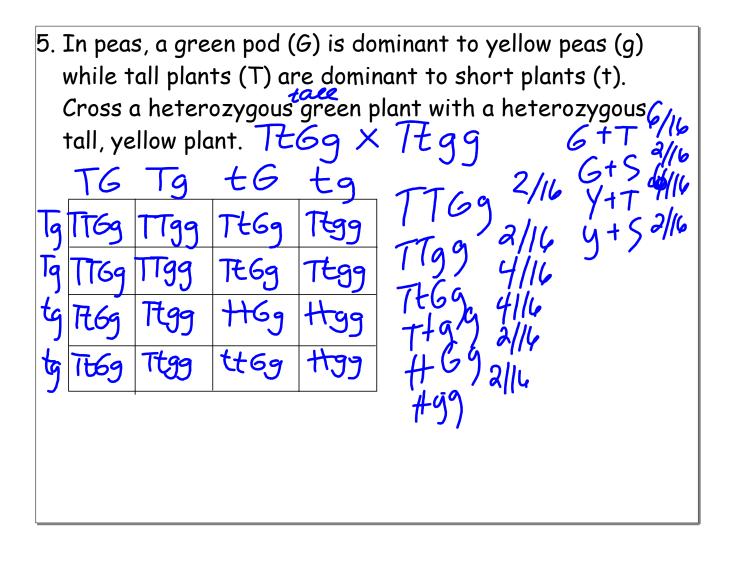
Law of Segregation alleles seperate before being passed on Mutation any change to genetic make up

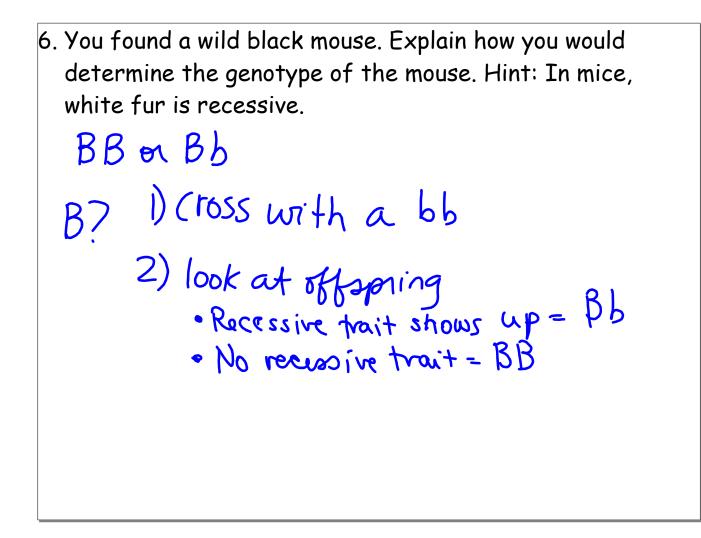


2. In gerbils, rough coat is dominant to smooth coat. Cross a heterozygous rough coated gerbil with a smooth coat and give the genotypic and phenotypic ratios of the F1 generation.

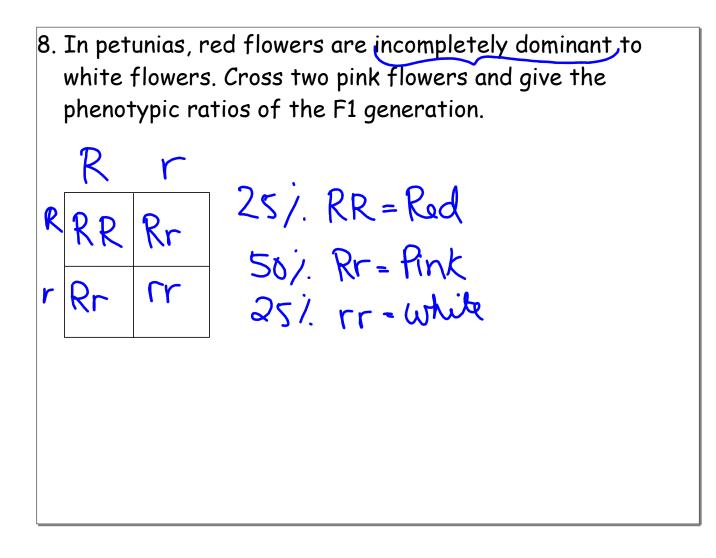


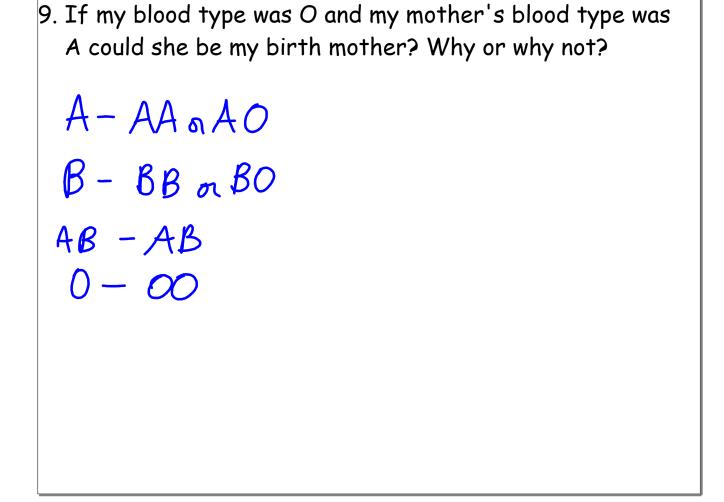


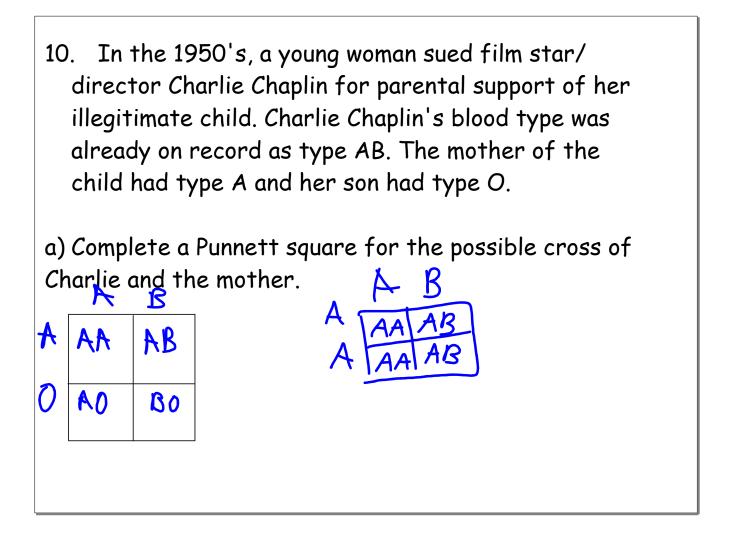




- 7. In "the Simpsons", yellow hair is dominant to blue hair. Marge Simpson married Homer who is homozygous for yellow hair. A=yellow a=blue
  - a) What are the genotypes of Bart, Lisa and Maggie? Aa
  - b) What if Lisa one day married Millhouse adn they had kids? What would be the genotypic and phenotypic ratios of their children?
    A A A

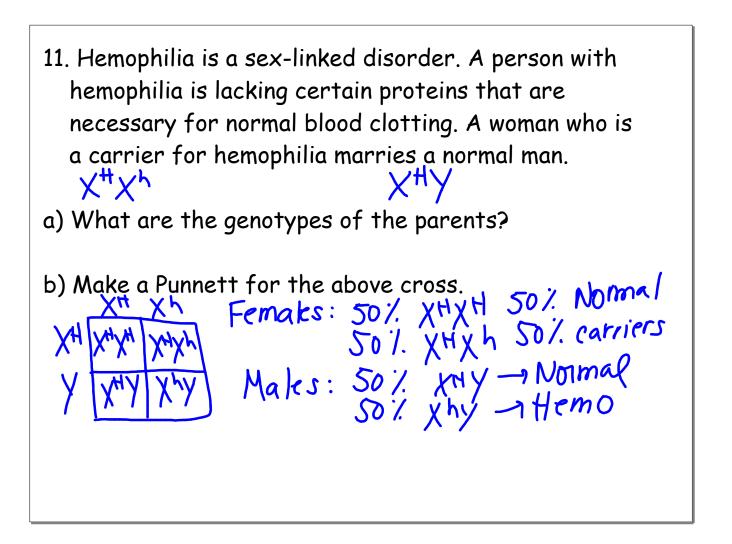






b) The judge ruled in favor of the mother and ordered Charlie to pay child support. Was the judge correct in his decision based on blood typing evidence? Explain why or why not?

No, Charlie Can only pass on an Aor B



12. Can a color blind female have a son that has normal vision? Color blindness is caused by a sex-linked allele. Males - have it females - pass it on convird on Xchromosome

