

Genetics Practice Problems: Pedigree Tables

Remember the following when working pedigree tables:

- 1) Circles are females and squares are males.
- 2) A shaded circle or square indicates that a person has the trait.

The pedigree seen below is for colorblindness. Shaded individuals are colorblind. Determine the probable genotype of persons 1 - 15, and then answer the questions below the table.



How did you determine the genotype of the mother at 3?

Number 8 was colorblind just like his father. Where did the son at 8 get his allele for colorblindness?

Neither numbers 1 nor 2 were colorblind. How did they have a colorblind son (6)?



What must be the genotypes of the parents of a colorblind daughter? Explain.



If number 13 marries a normal man, what is the probability that their sons will be colorblind?

Genetics Practice Problems Pedigree Tables Key

Leland Hartwell



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