

Crosses Involving Co-Dominant and Multiple Alleles

1. A roan bull is crossed with a white cow. Determine the possible genotypes and phenotypes of their calves.
2. A red bull is crossed with a roan cow. Determine the possible genotypes and phenotypes of their calves.
3. A woman homozygous for type B blood marries a man who is heterozygous for type A. What will be the possible genotypes and phenotypes of their children?
4. A man with type O blood marries a woman with type AB blood. What will be the possible genotypes and phenotypes of their children?
5. A woman with type A blood whose father was type O, marries a man with type AB blood. Find the possible genotypes and phenotypes of their children.
6. A type B woman whose mother was type O marries a man with type O blood. What will be the possible genotypes and phenotypes of their children?
7. A type A woman whose father was type B marries a type B man whose mother was type A. Determine the possible genotypes and phenotypes of their children.
8. What is the probability that a couple whose blood types are AB and O will have a type A child?
9. A couple has a child with type A blood. If one parent is type O, what are the possible genotypes of the other parent?