

### Punnett Squares Worksheet

Use Punnett Square to answer the following questions. Show your work.

1. Widow's peak is dominant to no widow's peak. Determine the genotype and phenotype ratios for a homozygous dominant female and a homozygous recessive male.
2. Dimples is dominant to no dimples. Determine the genotype and phenotype ratios for a heterozygous female and a homozygous dominant male.
3. Short hair is dominant to long hair in mice. Determine the genotype and phenotype ratios for a homozygous recessive female and a heterozygous male.
4. Cleft chin is dominant to no cleft chin. Determine the genotype and phenotype ratios for a heterozygous female and a heterozygous male.
5. Brown eyes are dominant to blue eyes. Determine the genotype and phenotype ratios for a homozygous dominant female and a homozygous dominant male.
6. Purple flowers are dominant to white flowers in pea plants. Determine the genotype and phenotype ratios for a homozygous dominant female and a heterozygous male.
7. Brown hair is dominant to gray hair in mice. Determine the genotype and phenotype ratios for a homozygous recessive female and a homozygous recessive male.
8. Free ear lobes are dominant to attached ear lobes. Determine the genotype and phenotype ratios for a heterozygous female and a homozygous recessive male.
9. Green peas are dominant to yellow peas. Determine the genotype and phenotype ratios for a heterozygous female and a heterozygous male.
10. Tall plants are dominant to short plants. Determine the genotype and phenotype ratios for a homozygous recessive female and a homozygous dominant male.