

Name _____

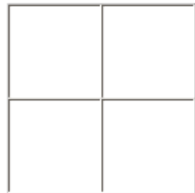
Date _____

Homework: TEST CROSS

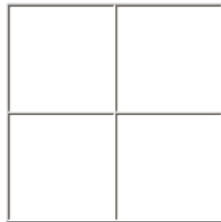
Show ALL work!

Problem: **In orchid plants, pink flowers are dominant to red flowers.**

1. If two red flowered orchids are crossed,
what percentage of their offspring will be red flowered? _____

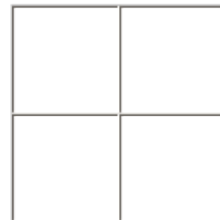


2. A white flowered plant is crossed with a plant that is heterozygous for the trait.
What percentage of the offspring will have purple flowers? _____



3. Two plants, both heterozygous for the gene that controls flower color are crossed.

What percentage of their offspring will have
purple flowers? _____



What percentage will have
white flowers? _____

Problem: **In guinea pigs, the allele for short hair is dominant.**



What genotype would a *heterozygous short haired* guinea pig
have? _____

What genotype would a *purebred short haired* guinea pig
have? _____

What genotype would a *long haired* guinea pig have? _____

13. Show the cross for a pure breeding short haired guinea pig and a long haired guinea pig.
 What percentage of the offspring will have short hair? _____



14. Show the cross for two heterozygous guinea pigs.

What percentage of the offspring will have short hair? _____

What percentage of the offspring will have long hair? _____

15. Show the cross for two homozygous recessive guinea pigs.

What percentage of the offspring will have short hair? _____

What percentage of the offspring will have long hair? _____