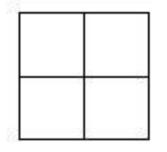
1. In Andalusian fowls, black individuals (B) and white individuals (W) are homozygous. A heterozygote (BW) is a bluish-gray color. What results if a black individual is crossed with a bluish-gray individual? (SHOW YOUR WORK)

Parent 1: _____

Parent 2: _____

Parent 1:

Parent 2: _____

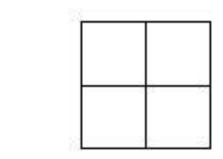


Offspring-
Genotypic Ratio:
BB : BW : WW
Phenotypic Ratio:
black : bluish-gray: white

2. Cat fur color is determined by codominance. The allele for tan fur (TT) and the allele for black fur (BB) are codominant. The heterozygous condition results in a cat with tan and black spots, called a tabby cat. What would occur is a tan cat was crossed with a tabby cat? Draw the Punnett square and identify the genotypes and phenotypes of their offspring.

Parent 1:	Offspring-
Parent 2:	Genotypic Ratio:
	 TT : TB : BB
	Phenotypic Ratio:
	 tan : tabby : black

3. A man with type AB blood is married to a woman also with type AB blood. What percentage of their children will have:



Children: _____ type A blood _____ type B blood _____ type AB blood _____ type O blood

4. Calico is a coat color found in cats, which is caused by a sex-linked, co-dominant allele:

The following genotypes are possible:

- Female cats can be black $X^B X^B$, orange $X^R X^R$, or calico $X^B X^R$
- Male cats can be black X^BY or orange X^RY

Show the cross below and include the phenotypic rations of the offspring.

a. An orange male crossed with a calico female.

