

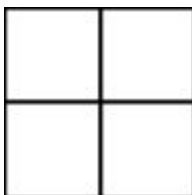
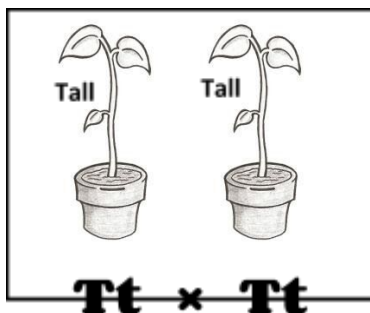
Name: _____ Date: _____ Period: _____

Independent Practice: Punnett Squares

Complete the table below using the information provided to the left, and then complete each of the Punnett squares and their accompanying questions.

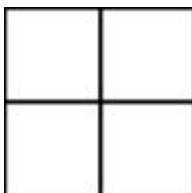
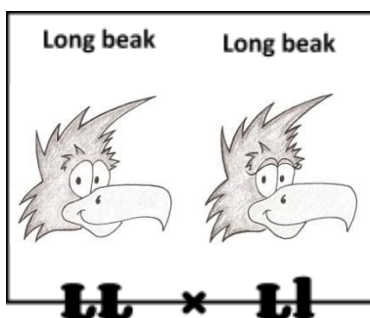
Allele	Trait
T	Tall
t	Short
S	Smooth peas
s	Wrinkled peas
P	Purple flowers
p	White flowers

Description	Genotype	Phenotype
Homozygous recessive flower color		
Heterozygous for height		
Homozygous for wrinkled peas		
Heterozygous for flower color		
Homozygous for short height		
Homozygous dominant for height		
Homozygous for smooth peas		
Heterozygous for pea shape		



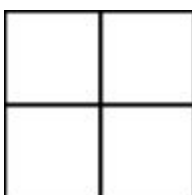
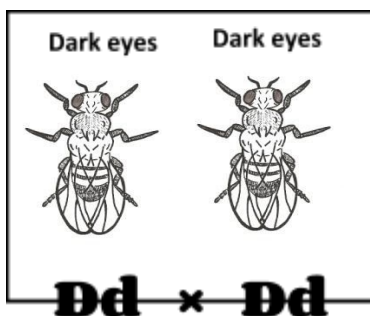
1. What percentage of the offspring will have a tall phenotype? _____

2. What percentage of the offspring will have a homozygous recessive genotype? _____



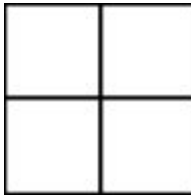
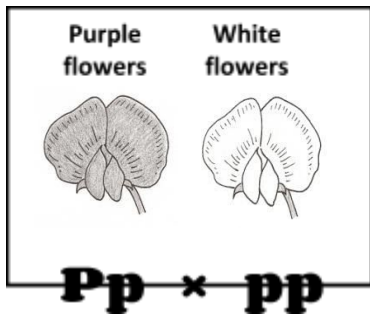
3. What percentage of the offspring will have long beaks? _____

4. What percentage of the offspring will have a heterozygous genotype? _____



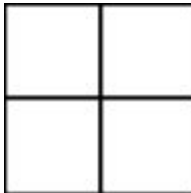
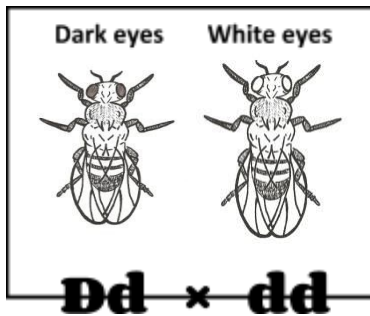
5. What percentage of the offspring will have a homozygous dominant genotype? _____

6. What percentage of the offspring will have white eyes (dd)? _____



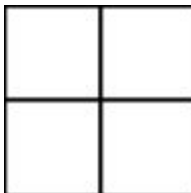
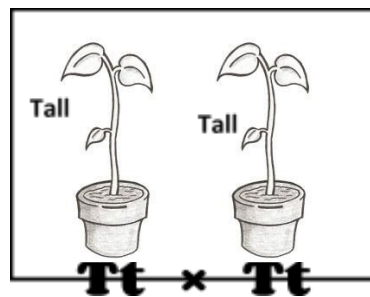
7. What percentage of the offspring will have purple flowers as their phenotype?

8. What percentage of the offspring will have a heterozygous genotype?



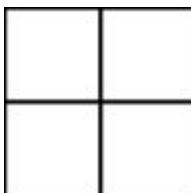
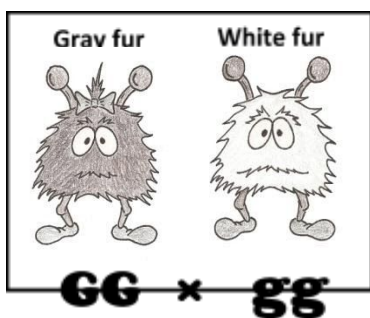
9. What percentage of the offspring will have a heterozygous genotype?

10. What percentage of the offspring will have white eyes? _____



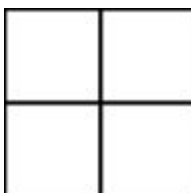
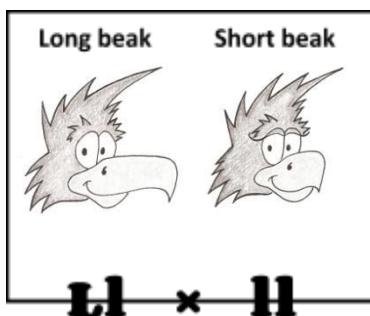
11. What percentage of the offspring will be short? _____

12. What percentage of the offspring will have a tall phenotype? _____



13. What percentage of the offspring will have the phenotype of gray hair?

14. What percentage of the offspring will have a homozygous recessive genotype?



15. What percentage of the offspring will have long beaks? _____

16. What percentage of the offspring will have a heterozygous genotype?
