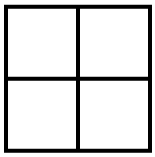
Name: _____ Date: _____ Period: _____

ACTIVITY: Punnett Square Generator

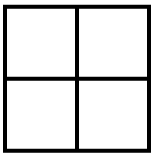
Complete the following Punnett squares and answer the questions go with each pair. Use the table of information below to answer the questions.

Allele	Trait	Type
G	Green feathers	Dominant
g	Yellow feathers	Recessive
L	Long beak	Dominant
l	Short beak	Recessive



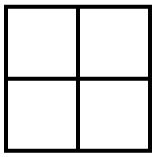
1. **Gg (♂) x Gg (♀)**
What percentage of offspring will be homozygous recessive?

_____



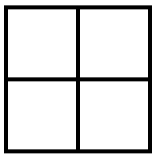
2. **A male which has a short beak is crossed with a female that is heterozygous for beak length.** What percentage of offspring will have short beaks?

_____



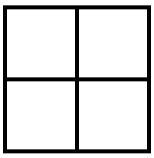
3. **Ll (♂) x Ll (♀)**
What percentage of offspring will have long beaks?

_____



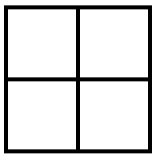
4. **A male with green feathers and a heterozygous genotype is crossed with a yellow feathered female.** What percentage of offspring will have yellow feathers?

_____



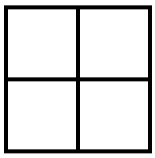
5. **A male which has a long beak and a homozygous genotype is crossed with a female that has a short beak.** What percentage of offspring will have short beaks?

_____



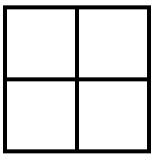
6. **A male which has a short beak is crossed with a female that is homozygous dominant for beak length.** What percentage of offspring will have long beaks?

_____



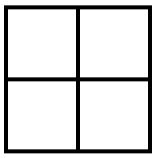
7. **LL (♂) x Ll (♀)**
What percentage of offspring will have long beaks?

_____



8. **Ll (♂) x LL (♀)**
What percentage of offspring will be homozygous dominant?

_____



9. **gg (♂) x Gg (♀)**
What percentage of offspring will have green feathers?

_____

10. **gg (♂) x GG (♀)**
What percentage of offspring will have green feathers?

_____

11. **LL (♂) x LL (♀)**
What percentage of offspring will have homozygous genotypes?

_____

12. **GG (♂) x gg (♀)**
What percentage of offspring will have green feathers?

_____

13. **A green feathered male with a homozygous genotype is crossed with a green feathered, heterozygous female.** What percentage of offspring will be heterozygous?

_____

14. **A male which has yellow feathers is crossed with a female that has yellow feathers.** What percentage of offspring will have yellow feathers?

_____

15. **A male which has a long beak and a heterozygous genotype is crossed with a female that has a short beak.** What percentage of offspring will have long beaks?

_____

16. **Gg (♂) x GG (♀)**
What percentage of offspring will have green feathers?

_____

17. **A male with green feathers and a homozygous genotype is crossed with a green feathered, homozygous female.** What percentage of offspring will be yellow?

_____

18. **A male with a short beak is crossed with a female that has a short beak.** What percentage of offspring will have short beaks?

_____