Science Mastery

Punnett Squares – Support Sheet

1. **What are the alleles?** ….. and ……

2. **Map the genotypes to the phenotypes:**

Genotype: Which alleles?
Phenotype: What characteristics?

	Genotype	Phenotype
Homozygous dominant		
Heterozygous		
Homozygous recessive		

3. **Identify the parent phenotypes and genotypes from the question:**

Parent Phenotypes: …….. and ……

Parent Genotypes: …… and ……

4. **Complete the Punnett Square:**

		Parent 1 Gametes	
Parent 2 Gametes			

Remember, each gamete only has 1 allele!

5. **Identify the percentages of each genotype:**

…….. : …….. %

…….. : …….. %

…….. : …….. %

6. **Identify the percentages of each phenotype:**

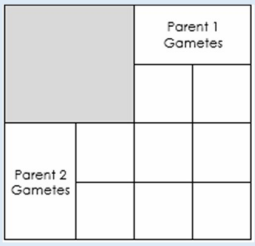
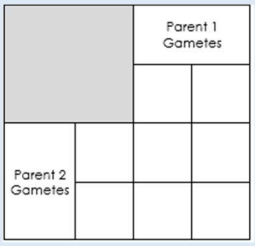
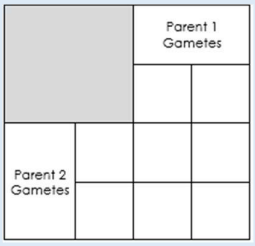
…….. : …….. %

…….. : …….. %

Use your genotype ➔ phenotype mapping to help you!

© 2025 ArkCurriculum+

Punnett Squares – Structure Strip

Identify the alleles used in the question.	**Identify the alleles used in the question.**	**Identify the alleles used in the question.**
Map the genotypes and phenotypes	**Map the genotypes and phenotypes**	**Map the genotypes and phenotypes**
Identify the parental phenotypes and genotypes	**Identify the parental phenotypes and genotypes**	**Identify the parental phenotypes and genotypes**
Draw your Punnett Square  Add gamete alleles (only 1 per square). Complete square	**Draw your Punnett Square**  Add gamete alleles (only 1 per square). Complete square	**Draw your Punnett Square**  Add gamete alleles (only 1 per square). Complete square
Identify the percentages of each genotype.	**Identify the percentages of each genotype.**	**Identify the percentages of each genotype.**
Identify the percentages of each phenotype.	**Identify the percentages of each phenotype.**	**Identify the percentages of each phenotype.**

© 2025 ArkCurriculum+

Science Mastery

Punnett Squares – Checklist



	Done?
Identify the alleles used in the question.	
Map the genotypes and phenotypes	
Identify the parental phenotypes and genotypes	
Draw your Punnett Square ✓ Add gamete alleles (only 1 per square). ✓ Complete square (2 alleles per box for crosses)	
Identify the percentages of each genotype.	
Identify the percentages of each phenotype.	

© 2025 ArkCurriculum+