

More Punnett Square Practice

Name _____

Problem #1 – In seals Long whiskers (W) are dominant over short whiskers (w). Cross a heterozygous female with a homozygous recessive male. Use a Punnett square and show the phenotypic and genotypic ratios of the offspring.

Cross _____ X _____

		Genotype	Ratio	%	Phenotype	Ratio	%
		_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____
		(Remember to add together your Homozygous Dominant with your heterozygous because they will have the same Phenotype.)					

Problem #2 - In pea plants, yellow peas are dominant over green peas.

Use a Punnett square to predict the phenotypic and genotypic outcome (offspring) of a cross between a plant heterozygous/hybrid for yellow (Yy) peas and a plant homozygous/purebred for green (yy) peas.

		Genotype	Ratio	%	Phenotype	Ratio	%
		_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____
		(Remember to add together your Homozygous Dominant with your heterozygous because they will have the same Phenotype.)					

Problem #3 - In pea plants, yellow peas are dominant over green peas.

Use a Punnett square to predict the phenotypic and genotypic outcome (offspring) of a cross between two plants heterozygous for yellow peas.

		Genotype	Ratio	%	Phenotype	Ratio	%
		_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____
		(Remember to add together your Homozygous Dominant with your heterozygous because they will have the same Phenotype.)					