Name:		Date:	Block:
<u>Introdu</u>	ction to Punnett	Squares (Sci	<u>ence 10)</u>
_	nre: tool used to predict the ge whose genotypes are known	notypes and phenotypes	of offspring of a cross between
Monohybrid trait	Cross: an intentional mating ((cross) between two pare	ents that only considers one
	atio: expected proportions of one be expressed as a percentage		_
	catio: expected proportions of o be expressed as a percentage		——————————————————————————————————————
How to Draw	a Punnett Square for a Mon	ohybrid Cross	
2) Write 3) Determ the gen 4) Interp	nine the genotypes of the pare the genotypes of the parents in nine the possible genotypes of notypic ratio. Note for heterozygote genotypes the genotypes to determine typic ratio.	n the Punnett square. the offspring. Write pes: write the dominant	_
_	n mice, fur colour is determin heterozygote is crossed with a	•	
Step 1	Heterozygote =	Homozygous reces	ssive =
Steps 2 + 3		Genotypic ratio:	
Step 4	Phenotypic ratio:		
_	Nematodes can have a normal s a recessive trait. A dumpy no		
Step 1	Dumpy nematode = Homozygous normal =		
Steps 2 + 3		Genotypic ratio:	
Step 4	Phenotypic ratio:		

Example 3: Pea plants can be round (R) or wrinkled (r). Two heterozygote pea plants are crossed. Determine the genotypic and phenotypic ratios of the offspring.