

Station 4: Punnett square practice

With your partner, work through the three prompts at this station on your whiteboard.

Complete first and then check your work with the key on the back of the prompt. Once you have practiced with these three prompts, create your own prompt on your packet for your partner to solve. When you are finished creating and working through your own prompts, check each other's work! Use the space provided below.

Write your problem here: IF fur color in cats follows incomplete dominance and a Black cat (homozygous dominant BB) mates with a white cat (homozygous recessive) what are the possible genotypes + phenotypes?

	B	B	
6	B6	B6	Geno 100% B6
6	B6	B6	Pheno 100% <u>Grey</u>

Write your problem here: IF the same two cats from the problem above mate, but the fur color trait follows Codominance, what are the possible genotypes + phenotypes?

	B	B	
6	B6	B6	Geno 100% B6
6	B6	B6	100% <u>Black and white spotted</u>