

Punnett Square Practice

1. One gene controls the color of flowers of sweet pea plants. This gene has two forms, or alleles. "R" represents the allele for red flowers; "r" represents the allele for white flowers. "R" (red) is dominant to "r" (white)

- a. A red-flowered plant is crossed with a white-flowered plant and the seeds this cross produces are planted in your garden. If you plant 100 seeds, how many of the plants would you expect to have red flowers? (Show all work)

	R	R
(White)		

- b. What color flowers does an Rr plant have? _____

- c. Two white flowered plants are crossed. What percent of their offspring would you expect to have white flowers? (Show all work)

	r	r
(White)		

- d. A red flowered plant is crossed with another red-flowered plant. You plant seeds and get many red-flowered plants and some white-flowered plants also. Use a Punnett square to show

	R	r
(Red)		