Dihybrid Cross Practice

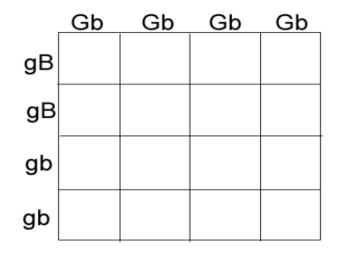
In rabbits, gray hair is dominant to white hair. Also in rabbits, black eyes are dominant to red eyes. These letters represent the genotypes of the rabbits:

GG = gray hair	BB = black eyes
Gg = gray hair	Bb = black eyes
gg = white hair	bb = red eyes

1. What are the phenotypes (descriptions) of rabbits that have the following genotypes?

Ggbb	ggBB
ggbb	GgBb

2. A male rabbit with the genotype GGbb is crossed with a female rabbit with the genotype ggBb the square is set up below. Fill it out and determine the phenotypes and proportions in the offspring.



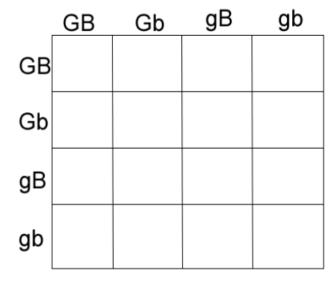
How many out of 16 have gray fur and black eyes? _____

How many out of 16 have gray fur and red eyes? _____

How many out of 16 have white fur and black eyes? _____

How many out of 16 have white fur and red eyes _____

3. A male rabbit with the genotype GgBb is crossed with a female rabbit with the genotype GgBb The square is set up below. Fill it out and determine the phenotypes and proportions of offspring



How many out of 16 have gray fur and black eyes? ______

How many out of 16 have gray fur and red eyes? _____

How many out of 16 have white fur and black eyes? _____

How many out of 16 have white fur and red eyes? _____