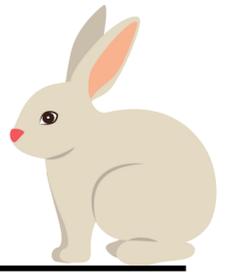


DIHYBRID CROSS WORKSHEETS



Name :

Date :

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

GG = gray hair
Gg = gray hair
gg = white hair

BB = black eyes
Bb = Black eyes
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 genotype GGbb is crossed with rabbit with genotype ggBB the square is set up below. Fill it out and determine the phenotypes and proportions in the offspring.

	Gb	Gb	Gb	Gb
gB				

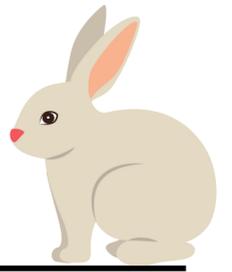
- How many out of 16 have gray fur and black eyes?
- How many out of 16 have gray fur and red eyes?
- How many out of 16 have white fur and black eyes?
- How many out of 16 have white fur and red eyes?

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

	GB	Gb	gB	gb
GB				

- 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?

DIHYBRID CROSS WORKSHEETS



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

GG = gray hair
Gg = gray hair
gg = white hair

BB = black eyes
Bb = Black eyes
bb = red eyes

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

Ggbb = Gray hair, Red eyes
ggbb = White hair, Red eyes

ggBB = White hair, Black eyes
GgBb = Gray hair, Black eyes

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

	Gb	Gb	Gb	Gb
gB	GgBb	GgBb	GgBb	GgBb
gB	GgBb	GgBb	GgBb	GgBb
gb	Ggbb	Ggbb	Ggbb	Ggbb
gb	Ggbb	Ggbb	Ggbb	Ggbb

- How many out of 16 have gray fur and black eyes? 8
- How many out of 16 have gray fur and red eyes? 8
- 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 genotype GgBb is crossed with rabbit with genotype GgBb the square is set up below. Fill it out and determine the phenotypes and proportions in the offspring.

	GB	Gb	gB	gb
GB	GGBB	GGBb	GgBB	GgBb
Gb	GGBb	GGbb	GgBb	Ggbb
gB	GgBB	GgBb	ggBB	ggBb
gb	GgBb	Ggbb	ggBb	ggbb

- How many out of 16 have gray fur and black eyes? 9
- How many out of 16 have gray fur and red eyes? 3
- How many out of 16 have white fur and black eyes? 3
- How many out of 16 have white fur and red eyes? 1