

More Punnett Square Practice

Directions: Complete each Punnett Square using the provided information and answer the questions.

Flower Color

- a. Purple is dominant (P)
- b. White is recessive (p)
- c. A PP father and a PP mother

- d. What genotype are the parents?
- e. What phenotype are the parents?
- f. What phenotype are the offspring?

Father: homozygous dominant Mother: homozygous dominant
 Father: _____ Mother: _____
 _____ of the offspring are purple and _____ are white.

Seed Color

- a. Yellow is dominant (Y)
- b. Green is recessive (y)
- c. A yy father and a yy mother.

- d. What genotype are the parents?
- e. What phenotype are the parents?
- f. What phenotype are the offspring?

Father: _____ Mother: _____
 Father: _____ Mother: _____
 _____ of the offspring are yellow and _____ are green.

Seed Shape

- a. Round is dominant (R)
- b. Wrinkled is recessive (r)
- c. An RR father and an rr mother

- d. What genotype are the parents?
- e. What phenotype are the parents?
- f. What phenotype are the offspring?

Father: _____ Mother: _____
 Father: _____ Mother: _____
 _____ of the offspring are round and _____ are wrinkled.

Pod Color

- a. Green is dominant (G)
- b. Yellow is recessive (g)
- c. A homozygous recessive father and a homozygous dominant mother

- d. What are the parents' alleles? Father: gg Mother: GG
- e. What phenotype are the parents? Father: _____ Mother: _____
- f. What phenotype are the offspring? _____ of the offspring are green and _____ are yellow.

Pod Shape

- a. Smooth is dominant (S)
- b. Bumpy is recessive (s)
- c. A heterozygous father and a homozygous recessive mother

- d. What are the parents' alleles? Father: _____ Mother: _____
- e. What phenotype are the parents? Father: _____ Mother: _____
- f. What phenotype are the offspring? _____ of the offspring are smooth and _____ are bumpy.

Flower Position

- a. Along the stem is dominant (A)
- b. At tip is recessive (a)
- c. A heterozygous father and a heterozygous mother

- d. What are the parents' alleles? Father: _____ Mother: _____
- e. What phenotype are the parents? Father: _____ Mother: _____
- f. What phenotype are the offspring? _____ of the offspring are along stem and _____ are at tip.