Name:_____ Period:_____ Date:_____

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? Father: *homozygous dominant* Mother: *homozygous dominant*
e. What phenotype are the parents? Father: _____ Mother: _____
f. What phenotype are the offspring? _____ of the offspring are purple and _____ are white.

Seed Color

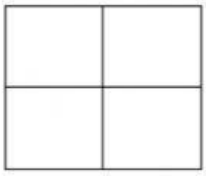
a. **Yellow is dominant (Y)**
b. **Green is recessive (y)**
c. **A yy father and a yy mother.**



d. What genotype are the parents? Father: _____ Mother: _____
e. What phenotype are the parents? Father: _____ Mother: _____
f. What phenotype are the offspring? _____ 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? Father: _____ Mother: _____
e. What phenotype are the parents? Father: _____ Mother: _____
f. What phenotype are the offspring? _____ of the offspring are round and _____ are wrinkled.

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Pod Color

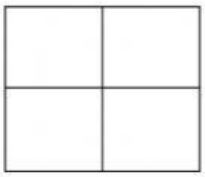
a. **Green is dominant (G)**
b. **Yellow is recessive (g)**
c. **A homozygous recessive father and a homozygous dominant mother**



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.

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