

### Punnett's Squares

These show the 2 alleles of each parent plant crossed with each other and the resulting 4 possible offspring with T = tall, t = short.

*TT = dominant tall, tt = recessive short, Tt = mixed hybrid*

*TT = dominant tall (genotype tall, phenotype tall)*

*Tt = mixed hybrid (genotype hybrid, phenotype tall)*

*tt = recessive short (genotype short, phenotype short)*

Using the Punnett's Squares below, name the offspring of all possible parent combinations.

	<i>T</i>	<i>T</i>
<i>T</i>		
<i>T</i>		

Both parents are dominant tall, name the 4 possible offspring.

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

	<i>T</i>	<i>t</i>
<i>T</i>		
<i>t</i>		

Both parents are mixed hybrids, name the 4 possible offspring and the expected ratio.

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

	<i>T</i>	<i>T</i>
<i>T</i>		
<i>t</i>		

One parents is dominant tall, one is mixed hybrid, name the 4 possible offspring.

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

	<i>t</i>	<i>t</i>
<i>t</i>		
<i>t</i>		

Both parents are recessive short, name the 4 possible offspring.

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_