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$\qquad$
Punnett Squares

| 1. HTxHT | 2. TTxtt | 3. TtxTt | 4. ttxTt | 5. XYxXX | 6. Bbxbb |
| :--- | :--- | :--- | :--- | :--- | :--- |
| (Heads and <br> tails, like two <br> coins) | Mendel's tall <br> plant and <br> short plants | Mendel's <br> second <br> generation | Test-cross <br> between true <br> short and tall | Male and <br> female cross | Brown-eyed <br> heterozygous <br> with blue eyes |



Part 2: Double Cross! Cross two plants which are heterozygous for height and pea color. (TtYy x TtYy)

* First, fill in the left side with the same information found at the top.
* Then, fill in the boxes. The top-left of the child boxes will be TTYY


Reminder, that tall is dominant over short, and yellow over green.
Now, shade the squares in as follows:

- Tall and yellow = color it Red
- Tall and Green = color it Green
- Short and yellow = color it Blue
- Short and green = color it Yellow

Finally, count the numbers:

Ratios: Red $\qquad$ Green $\qquad$ Blue $\qquad$ Yellow $\qquad$

