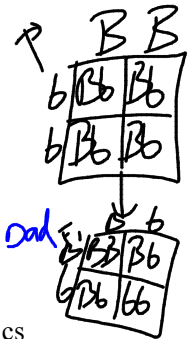


Chapter 10 - Patterns of Inheritance

- Describe the methods Mendel used in his plant-breeding experiment

$$BB \times bb = Bb$$

Red White Pink



- What is Mendel's principle of segregation

Traits are passed.

1 from mom 1 from dad

- Describe how probability applies to genetics

- Chance of alleles splitting.
(what parents pass on.)

- Be able to compare and contrast genotype and phenotype

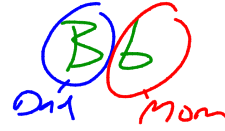
BB, Bb, bb

Genetic Makeup

Physical Appearance

- Know what an allele is

Traits from parent



- Know the following terms: heterozygous, homozygous, dominant, recessive, F1 generation, F2 generation, polygenic traits.

Hetero = Bb

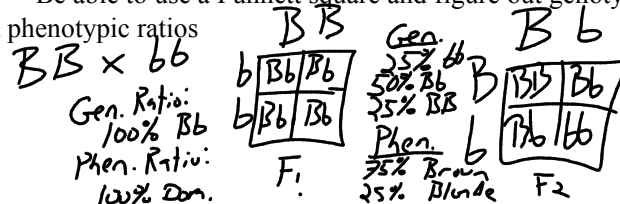
Homozygous = BB dominant or bb recessive

First generation

Second generation

makeup of many traits

- Be able to use a Punnett square and figure out genotypic and phenotypic ratios



- Explain sex-linked disorders and how they are passed on. (include carrier)

