

Genetics Practice Problem Sets

Genetics Practice Problems 6

Use a testcross, probability, or the list method to find ratio of the given phenotypes

- 1) TtYy x TtYy
Tall with green seeds:
- 2) TtYy x ttYy
Short with green seeds:
Tall with yellow seeds:
- 3) TtYy x ttYy
Short with yellow seeds:
Short with green seeds
- 4) RrTyYy x RrTtYy
Short with wrinkled green seeds:
Tall with round yellow seeds:

Genetics Practice Problems 7

Use a testcross, probability, or the list method to find ratio of the given phenotypes or genotypes

- 1) PpRr x PpRr
 - a) Purple flowers and round seeds:
 - b) White flowers with round seeds
 - c) PPrr
- 2) TtYy x ttYy
 - a) Short with green seeds:
 - b) Tall with yellow seeds:
 - c) ttYy
- 3) PprrYy x PpRryy
 - a) White flowers with wrinkled, green seeds:
 - b) Purple flowers, with round, yellow seeds:
 - c) PpRrYy
- 4) PpRrTtYy x ppRrTtYy
 - a) Purple flower, round seeds, tall plant, green seeds
 - b) White flower, wrinkled seeds, short plant, yellow seeds
 - c) ppRRTtYy

Genetics Practice Problems 8

Use a testcross, probability, or the list method to find ratio of the given phenotypes or genotypes

- 1) RrYyTt x rrYytt
 - a) Round yellow short
 - b) Rryytt
- 2) C^RC^WTt x C^RC^WTt
 - a) Red tall
 - b) Pink short
 - c) C^RC^WTt
- 3) PpRrYyTt x PpRrYyTt
 - a) pprttyy
 - b) PprrTtYy
 - c) PpRrTtYy