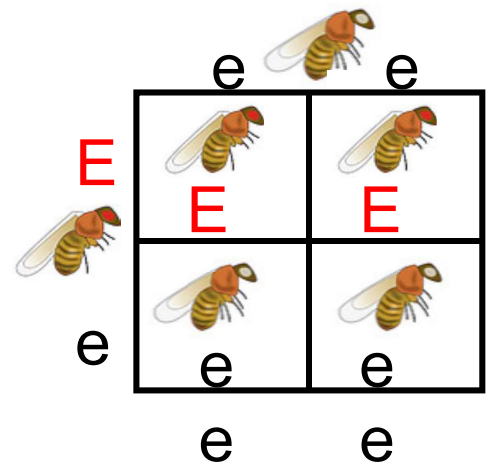




# Explore Student Journal

## Part III: Using a Punnett Square

1. What are the phenotypes shown in the Punnett square?
2. What are the genotypes shown in the Punnett square?
3. Which letter in the Punnett square above represents the dominant trait?
4. Which letter represents the recessive trait?
5. What trait will show up in the ee box?
6. What trait will show up in the Ee box?
7. How many offspring with the dominant trait might show up?
8. What is the percentage of offspring that might have that trait?
9. How many offspring with the recessive trait might show up?
10. What is the percentage of offspring that might have that trait?





# Explore Student Journal

## Part III: Using a Punnett Square, continued

Work out the crosses from the Student Guide in the provided Punnett squares. Use the abbreviation R for round peas and r for wrinkled peas.


- a.  $RR \times rr$  What percentage of offspring will be round?


- b.  $RR \times Rr$  What percentage of offspring will be round?


- c.  $Rr \times Rr$  What percentage of offspring will be round?


- d.  $rr \times rr$  What percentage of offspring will be round?


- e.  $RR \times RR$  What percentage of offspring will be round?