

# PUNNETT SQUARE

## PRACTICE WORKSHEET

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Instructions:

- Use Punnett squares to predict the possible genotypes and phenotypes of offspring.
- Complete the squares and answer the related questions.

**Eye Color in Dogs: Brown eyes (E) are dominant over blue eyes (e).**  
**b) Cross: Two heterozygous brown-eyed dogs (Ee × Ee)**


- What percentage of puppies will have brown eyes?
- What percentage will have blue eyes?
- Genotypic ratio: \_\_\_\_\_
- Phenotypic ratio: \_\_\_\_\_

### Question:

#### Coat and Eye Color in Dogs

- A heterozygous black-furred, heterozygous brown-eyed dog (BbEe) is crossed with a white-furred, blue-eyed dog (bbee).
- Complete the Punnett square for both traits (B and E).
- What are the possible fur and eye color combinations in the offspring?
- How many puppies could have black fur and blue eyes?
- How many could have white fur and brown eyes?