X-LINKED GENETICS IN THE CALICO CAT

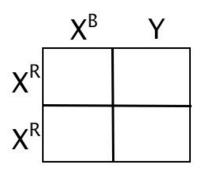
Calico is a coat color found on cats, which is caused by a SEX-Linked, CODOMINANT allele.

Female cats can be: Male cats may only be: black X^B X^I

orange X^R X^R orange X^R Y

calico X^BX^R

1. A black male is crossed with an orange female:



How many kittens are: orange males? ____ calico females? ____



2. An orange male is crossed with a calico female. Show the Punnett square and list the phenotypes and proportions.

3. A black male is crossed with a black female. Show the Punnett square and list the phenotypes and proportions.

4. A black male is crossed with a calico female. Show the Punnett square and list the phenotypes and proportions.