	Name
Genetics: X Linguist flies, eye color is a sex	
	e colors of flies with the following genotypes:
	8
X	X ^R Y
X., X.,	X'Y
2. What are the genotypes of	those flice:
white eyed, male	
white eyed, female	red eyed, male
Chow the areas of a white	and family VIVI in the NRV
. Show the cross of a white (eyed female X ^r X ^r with a red-eyed male X ^R Y
Channel and the	
. Snow a cross between a p	ure red eyed female and a white eyed male.
What are the genotypes of	•
	&
	How many are:
	white eyed, male
	white eyed, female
	red eyed, male
	red eyed, female
. Show the cross of a red eve	ed female (heterozygous) and a red eyed male. What are the genotype:
f the parents?	The termine (the termine) and a real eyear male. What are the genotypes
_	&
	How many are:
	white eyed, male
	white eyed, female
	red eyed, male
	red eyed, female
	Moth: VAlle of 15 in the set
	Math: What if in the above cross, 100 males were produced and 200 females.
	How many total red-eyed flies would there
	be?

6. In humans, hemophilia is a sex linked trait. Females can be normal, carriers, or have the disease. Males will either have the disease or not (but they won't ever be carriers)		
$X^{H}X^{H}$ = female, normal $X^{H}Y$ = male, normal		
$X^{H}X^{h}$ = female, carrier $X^{h}Y$ = male, hemophiliac		
X X = female, hemophiliac		
Show the cross of a man who has hemophilia with a woman who is a carrier.		
What is the probability that their children will have the disease?		
7. A woman who is a carrier marries a normal man. Show the cross. What is the probability that their children will have hemophilia? What sex will a child in the family with hemophilia be?		
8. A woman who has hemophilia marries a normal man. How many of their children will have hemophilia, and what is their sex?		
9. In cats, the gene for calico (multicolored) cats is codominant. Females that receive a B and an R gene have black and oRange splotches on white coats. Males can only be black or orange, but never calico.		
Here's what a calico female's genotype would look like. X B X R		
Show the cross of a female calico cat with a black male?		
What percentage of the kittens will be black and male?		
What percentage of the kittens will be calico and male? What percentage of the kittens will be calico and female?		
10. Show the cross of a female black cat, with a male orange cat.		
What percentage of the kittens will be calico and female? What color will all the male cats be?		