



4-H Dairy

Name: _____ 4-H Club _____

Reproduction Critical Thinking Problem: Use the information below to complete the Punnett Square on polled traits using PP or Pp.

Given information: The cow is heterozygous with the polled trait.

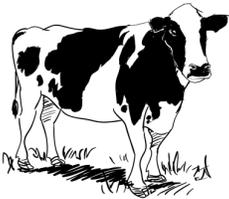
The bull is heterozygous with the polled trait.

What percentage of the offspring will be polled? _____

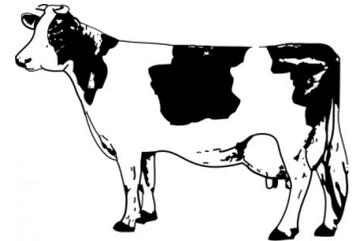
What will be the genotype of the polled offspring? _____

What percentage of the offspring will have horns? _____

What will be the genotype of the horned offspring? _____



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Nutrition, Reproduction & Manure Management - Fill in the blanks: Please write the correct answer on the line provided to correctly complete the statement.

1. Differentiate genotype from phenotype. _____

2. What are the 4 compartments of the cows' stomach and what happens in each compartment?

3. What does the Clean Air Act of 1990 do? _____

Horses, cats, and dogs are not required to complete numbers 2 and 3.

Animals Owned

| Animals Name | Breed | Sex | Date of Birth | Date Obtained |
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1. Expenses for the Animal(s)

Animal(s) *if purchased* \$ _____
 Feed \$ _____
 Bedding \$ _____
 Vet \$ _____

Total Expenses \$ _____

2. Income from Animal(s) *market animals sold* \$ _____

Estimated value of animal to be sold in 4-H Auction \$ _____

Total Income \$ _____

3. Value of breeding animals

Value of your cat or dog

Asset Value \$ _____

\$ _____

Net Profit / Loss \$ _____

Member Signature: _____

Parent Signature: _____

Leader Signature: _____