



EXAMPLE 2 Analyzing a Statement Involving *All*

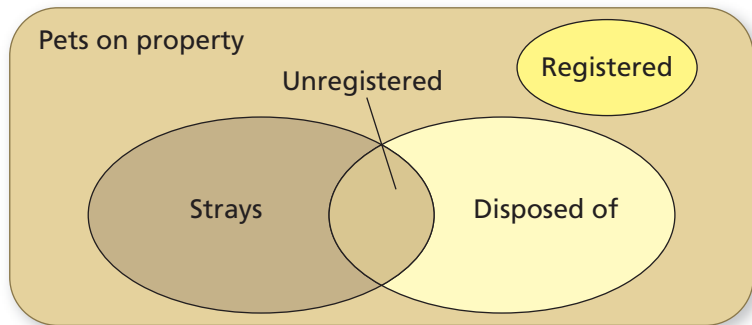
Use a set diagram to analyze the pet policy in a renter’s agreement.

PET POLICY Resident agrees to pay a nonrefundable pet fee of \$20 per month per pet. All pets found on the property, but not registered under this agreement, will be presumed to be strays and disposed of by the appropriate agency as prescribed by law. In the event a resident harbors an undisclosed pet, he or she agrees to pay a pet fee for the entire term of the agreement, regardless of when the pet was first introduced to the household.

SOLUTION

Here is one way to visualize the second sentence of the policy.

The home ownership rate in the United States is about 67%. That is, about 67% of all occupied housing units are occupied by the unit’s owner. The other 33% of occupied housing units are occupied by renters.



Using a set diagram helps you understand what is and is not being said by the policy. Here are some examples.

- It is possible that some strays are not disposed of.
- It is possible that some pets that are disposed of are not strays.
- All unregistered pets are considered strays and are disposed of.

✓ Checkpoint

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Use a set diagram to analyze the court cost clause in a renter’s agreement.



COURT COSTS Resident agrees to pay all court costs and attorneys’ fees incurred by the owner in enforcing legal action or any of the owner’s other rights under this agreement or any state law. In the event any portion of this agreement shall be found to be unenforceable under the law, the remaining provisions shall continue to be valid and subject to enforcement in the courts without exception.