

Name : _____

Drawing Venn Diagram - With Universal Set

Draw: S3

Draw Venn diagram based on the data provided and answer the questions that follow.

- 1) A survey was conducted in Westpoint to find the number of pet owners in the neighborhood. As per the survey -
- 31 families have only dogs as pets;
 - 34 families have only cats as pets;
 - 15 families keep only fish as pets;
 - 22 families have pet cats and dogs but not fish;
 - 7 families keep fish and also have pet cats but not dogs;
 - 12 families keep fish and also have pet dogs but not cats;
 - 10 families keep cats, dogs, and fish as pets; and
 - 6 families do not keep any pets.

PREVIEW

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a) How many families ha

b) Write down the numk

c) How many families in

d) Find the number of fa

e) Write down the number of families that keep fish as pets in their homes.

f) Find the number of families in the Westpoint neighborhood that keep at least one of the three types of pets in their homes.

g) How many families keep both, fish and pet cats in their homes?

h) How many families keep at least two types of pets in their homes?

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- | | |
|--|---------------------|
| a) How many families ha | 116 families |
| b) Write down the numb | 75 families |
| c) How many families in | 21 families |
| d) Find the number of fa | 73 families |
| e) Write down the number of families that keep fish as pets in their homes. | 44 families |
| f) Find the number of families in the Westpoint neighborhood that keep at least one of the three types of pets in their homes. | 131 families |
| g) How many families keep both, fish and pet cats in their homes? | 17 families |
| h) How many families keep at least two types of pets in their homes? | 51 families |