

Name : _____

Drawing Venn Diagram - Without Universal Set

Draw: S6

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

- 1) Nineteen homeowners in Jefferson lane have built houses with multi-level decks. Twenty-four of them have constructed swimming pools in their houses and 30 homeowners have built tree houses in their backyard.
- 6 homes have a multi-level deck and a swimming pool but not a tree house;
 - 4 homes have a swimming pool and a tree house but do not have a multi-level deck;
 - 3 homes have a multi-level deck and a tree house but not a swimming pool; and
 - One home on Jefferson lane has all the 3 features.

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a) How many homeowners have constructed their property?

b) Find the number of homes that have a swimming pool constructed on their property?

c) Write down the number of homes that have swimming pools.

d) How many homeowners have a tree house on their properties?

e) How many homes on Jefferson lane have a tree house but not a pool?

f) How many homes do not have a pool constructed on their property?

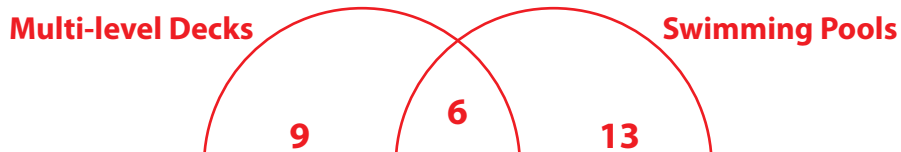
g) List the number of homes on Jefferson lane that have at least one of the three features mentioned in the data provided.

h) How many properties in Jefferson lane have either a deck or a tree house?

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|---|--|
| <p>a) How many homeowners have built houses on their property?</p> | <p>19 homeowners</p> <hr style="border: 0.5px solid black;"/> |
| <p>b) Find the number of homes with swimming pools constructed on their property.</p> | <p>28 homeowners</p> <hr style="border: 0.5px solid black;"/> |
| <p>c) Write down the number of homes with swimming pools.</p> | <p>13 homes</p> <hr style="border: 0.5px solid black;"/> |
| <p>d) How many homeowners have built houses on their properties?</p> | <p>39 homeowners</p> <hr style="border: 0.5px solid black;"/> |
| <p>e) How many homes on Jefferson lane have a multi-level deck but not a pool?</p> | <p>22 homes</p> <hr style="border: 0.5px solid black;"/> |
| <p>f) How many homes do not have a pool constructed on their property?</p> | <p>34 homes</p> <hr style="border: 0.5px solid black;"/> |
| <p>g) List the number of homes on Jefferson lane that have at least one of the three features mentioned in the data provided.</p> | <p>58 homes</p> <hr style="border: 0.5px solid black;"/> |
| <p>h) How many properties in Jefferson lane have either a deck or a tree house?</p> | <p>45 properties</p> <hr style="border: 0.5px solid black;"/> |