

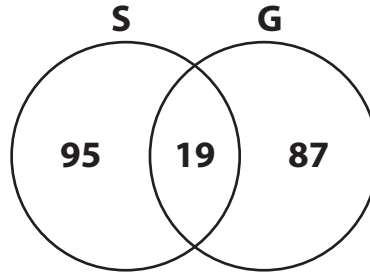
Name : _____

Venn Diagram - Without Universal Set

Standard: S1

Read each Venn diagram and answer the questions that follow.

- 1) A leasing company conducted a survey to find how many residents in an apartment complex use the swimming pool (**S**) and gym (**G**) facilities.



a) How many residents use both facilities? _____

b) How many of the _____

- 2) The Venn diagram below shows the number of children in Mrs. Saunder's class who like to read books (**R**) and play video games (**P**).

PREVIEW

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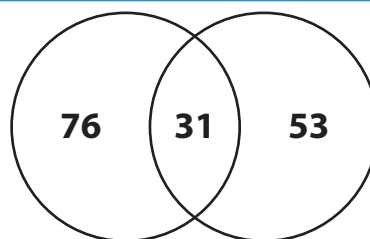
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a) How many children like to read books? _____

b) What is the total number of children in Mrs. Saunder's class? _____

- 3) A chocolate manufacturer conducted a survey to find which flavor of chocolates was more popular among visitors.



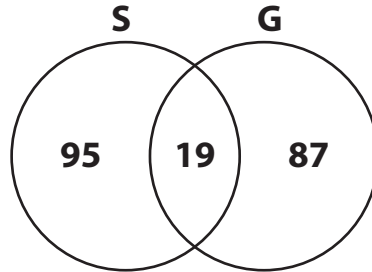
a) How many visitors preferred dark chocolate? _____

b) Find the total number of visitors who took part in the survey. _____

Venn Diagram - Without Universal Set

Read each Venn diagram and answer the questions that follow.

- 1) A leasing company conducted a survey to find how many residents in an apartment complex use the swimming pool (**S**) and gym (**G**) facilities.



- a) How many residents use both facilities?

19 residents

- b) How many of the residents use either facility?

106 residents

- 2) The Venn diagram below shows the number of children in Mrs. Saunder's class who like to read books (**R**) and play video games (**P**).

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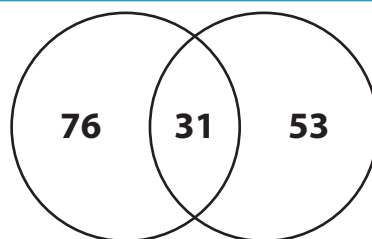
- a) How many children like to read books and play video games?

9 children

- b) What is the total number of children who like to read books or play video games?

32 children

- 3) A chocolate manufacturer conducted a survey to find which flavor of chocolate was more popular among visitors (**V**) and children (**D**).



- a) How many visitors preferred dark chocolate?

84 visitors

- b) Find the total number of visitors who took part in the survey.

160 visitors