

Name : \_\_\_\_\_

## Drawing Venn Diagram - Without Universal Set

Draw: S1

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

- 1) The launch of a new supermarket in downtown NY was publicized through direct mail, the internet, and television.
- A total of 119 customers received direct mail;
  - 131 customers learnt about the launch through the internet;
  - 140 customers got to know about it through advertisements on television;
  - 25 customers were aware of the launch through direct mail and the internet but not television;
  - 19 of them came to know of it through direct mail and television but not internet;
  - 27 customers through the internet and television but not through direct mail; and
  - 16 customers heard about it from all three sources.

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a) How many customers supermarket only thro

b) Write down the numk inauguration only via

c) How many customers supermarket only thro

d) List down the numbe launch of the superm internet.

e) Find the number of cu inauguration of the supermarket through the internet or the television.

f) How many customers were aware about the grand opening of supermarket either through direct mail or the television?

g) After the use of all three modes of advertisement, how many customers in all were invited for the inauguration of the supermarket?

h) How many customers were aware of the opening of the supermarket through at least 2 of the three modes of advertisement used?

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