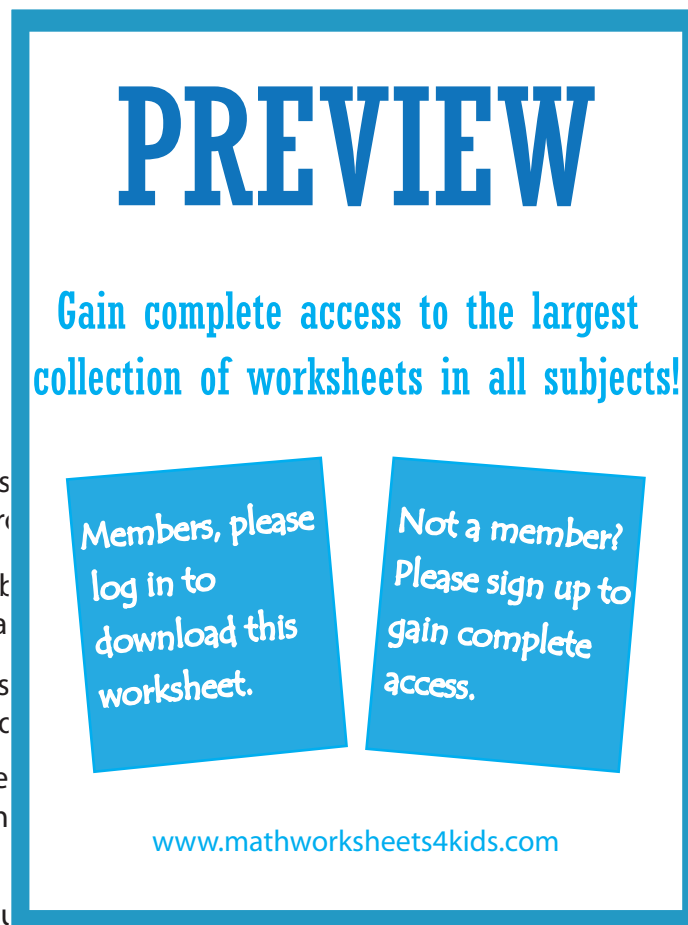


**Drawing Venn Diagram - Without Universal Set**

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.



- 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?

---

---

---

---

---

---

---

---

---

---

**Drawing Venn Diagram - Without Universal Set**

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.

**Direct Mail** **Internet**

# PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

- |   |                      |
|---|----------------------|
| a) How many customers supermarket only through  | <b>78 customers</b>  |
| b) Write down the number inauguration only via  | <b>59 customers</b>  |
| c) How many customers supermarket only through  | <b>63 customers</b>  |
| d) List down the number launch of the supermarket internet.   | <b>209 customers</b> |
| e) Find the number of customers inauguration of the supermarket through the internet or the television.                               | <b>228 customers</b> |
| f) How many customers were aware about the grand opening of supermarket either through direct mail or the television?                 | <b>224 customers</b> |
| g) After the use of all three modes of advertisement, how many customers in all were invited for the inauguration of the supermarket? | <b>287 customers</b> |
| h) How many customers were aware of the opening of the supermarket through at least 2 of the three modes of advertisement used?       | <b>87 customers</b>  |