

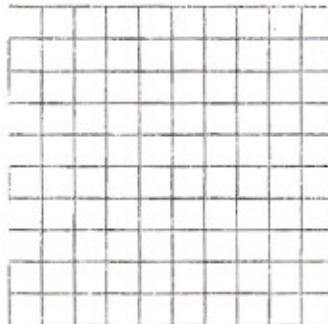
Imagine your teacher asked you to study how providing different amounts of fertilizer affected the heights of plants. You perform a study and collect the data shown in the table below. Use this data to answer the items that follow.

Plant number	Fertilizer (g)	Height (cm)	Plant number	Fertilizer (g)	Height (cm)
1	10	15	5	5	14
2	25	21	6	30	19
3	20	18	7	15	17
4	0	12	8	35	16

1. Which amount of fertilizer produced the tallest plants?

2. Which amount of fertilizer produced the smallest plants?

3. Plot the data on the grid below.



4. Describe the overall trend as more fertilizer is added to the plants.

EXERCISE 1

Given the following information, complete Data Table 1. Then interpret the data and answer the five questions that follow.

Information: The following hair colors were found among three classes of students:

Class 1: brown— 20	Class 2: brown— 18	Class 3: brown— 15
black— 1	black— 0	black— 4
blond— 4	blond— 6	blond— 15

Data Table

Hair Color	Class 1	Class 2	Class 3	Total
Brown				
Black				
Blond				

1. What type of information is being gathered?

2. Which hair color occurs most often?

3. From the information in the Data Table, can you give the number of boys with black hair?

4. What information can you give about the number of students with black hair?

5. Which class has the most blond students?

6. How many students made up the entire student population?
