

Name : _____

Drawing Venn Diagram - With Universal Set

Draw: S1

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

- 1) The students in an elementary school have the following features:
- 18 students have only blond hair;
 - 25 students have only blue eyes;
 - 11 students have only long hair;
 - 16 students have blond hair with blue eyes but not long hair;
 - 8 students have blue eyes with long hair but do not have blond hair;
 - 4 students have long and blond hair but not blue eyes;
 - 5 students have blue eyes with long and blond hair; and
 - 7 students do not have blue eyes, blond hair or long hair.

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a) How many students have only blond hair? _____

b) What is the total number of students? _____

c) Find the number of students who have only blue eyes? _____

d) How many students have only long hair? _____

e) List down the number of students who have neither blue eyes nor blonde hair. _____

f) How many students do not have blue eyes? _____

g) Write down the number of students who have either blue eyes or long hair. _____

h) Find the number of students who have at least 2 of the 3 features provided in the data. _____

Name : _____

Answer Key

Draw: S1

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- a) How many students have only blue eyes? 21 students
- b) What is the total number of students? 94 students
- c) Find the number of students who have only long hair. 13 students
- d) How many students have only blond hair? 51 students
- e) List down the number of students who have neither blue eyes nor blonde hair. 18 students
- f) How many students do not have blue eyes? 40 students
- g) Write down the number of students who have either blue eyes or long hair. 69 students
- h) Find the number of students who have at least 2 of the 3 features provided in the data. 33 students