

A.S.1: Analysis of Data: Categorize data as qualitative or quantitative

- 1 For a class of students, which data set could be classified as qualitative?
 - 1) political opinions
 - 2) heights
 - 3) weights
 - 4) ages
- 2 Which set of data can be classified as qualitative?
 - 1) scores of students in an algebra class
 - 2) ages of students in a biology class
 - 3) numbers of students in history classes
 - 4) eye colors of students in an economics class
- 3 In a class, which data can be classified as qualitative?
 - 1) age of students
 - 2) weight of students
 - 3) shoe size of students
 - 4) hair color of students
- 4 Which data set describes a situation that could be classified as qualitative?
 - 1) the elevations of the five highest mountains in the world
 - 2) the ages of presidents at the time of their inauguration
 - 3) the opinions of students regarding school lunches
 - 4) the shoe sizes of players on the basketball team
- 5 Which set of data describes a situation that could be classified as qualitative?
 - 1) the colors of the birds at the city zoo
 - 2) the shoe size of the zookeepers at the city zoo
 - 3) the heights of the giraffes at the city zoo
 - 4) the weights of the monkeys at the city zoo
- 6 Which data set describes a situation that could be classified as qualitative?
 - 1) the ages of the students in Ms. Marshall's Spanish class
 - 2) the test scores of the students in Ms. Fitzgerald's class
 - 3) the favorite ice cream flavor of each of Mr. Hayden's students
 - 4) the heights of the players on the East High School basketball team
- 7 Which set of data is qualitative?
 - 1) laps swum in a race
 - 2) number of swimmers on the team
 - 3) swimmers' favorite swimsuit colors
 - 4) temperature in Fahrenheit of the water in a pool
- 8 Craig sees an advertisement for a car in a newspaper. Which information would *not* be classified as quantitative?
 - 1) the cost of the car
 - 2) the car's mileage
 - 3) the model of the car
 - 4) the weight of the car
- 9 Which set of data can be classified as quantitative?
 - 1) first names of students in a chess club
 - 2) ages of students in a government class
 - 3) hair colors of students in a debate club
 - 4) favorite sports of students in a gym class
- 10 Which data set describes a situation that could be classified as quantitative?
 - 1) the phone numbers in a telephone book
 - 2) the addresses for students at Hopkins High School
 - 3) the zip codes of residents in the city of Buffalo, New York
 - 4) the time it takes each of Mr. Harper's students to complete a test
- 11 Which data can be classified as quantitative?
 - 1) favorite stores at which you shop
 - 2) U.S. Representatives and their home states
 - 3) sales tax rate in each New York county
 - 4) opinion of a freshman on the color of Paul's shirt
- 12 An art studio has a list of information posted with each sculpture that is for sale. Each entry in the list could be classified as quantitative *except* for the
 - 1) cost
 - 2) height
 - 3) artist
 - 4) weight

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Answer Section

1 ANS: 1
The other situations are quantitative.

REF: 061522ia

2 ANS: 4
The other situations are quantitative.

REF: 081122ia

3 ANS: 4
The other situations are quantitative.

REF: 081407ia

4 ANS: 3
The other situations are quantitative.

REF: 060819ia

5 ANS: 1
The other situations are quantitative.

REF: 061308ia

6 ANS: 3
The other situations are quantitative.

REF: 060905ia

7 ANS: 3
The other situations are quantitative.

REF: 061402ia

8 ANS: 3
The other situations are qualitative.

REF: 081213ia

9 ANS: 2
The other sets of data are qualitative.

REF: 011211ia

10 ANS: 4 REF: 011116ia

11 ANS: 3
The other situations are qualitative.

REF: 011414ia

12 ANS: 3
The other situations are quantitative.

REF: 081313ia