

Statistic examples 01 Daily Work

_____ 1. Which statements are valid for the data set shown below?

number of pages read by a student each week

372, 350, 398, 318, 364, 300, 371, 335, 400, 325, 335, 379, 325, 308, 375

- a. A circle graph is an appropriate way to display the data.
- b. A line plot is an appropriate way to display the data.
- c. A bar graph is an appropriate way to display the data.
- d. The data are quantitative.

_____ 2. Which statements are valid for the data set shown below?

favorite color of students in a class

blue: 15; red: 15; yellow: 19; green: 30; black: 35; white: 31

- a. A bar graph is an appropriate way to display the data.
- b. A line plot is an appropriate way to display the data.
- c. A box-and-whisker plot is an appropriate way to display the data.
- d. The data are qualitative.

_____ 3. Which statements are valid for the data set shown below?

number of pages read by a student each week

349, 300, 325, 375, 323, 391, 303, 350, 329, 381, 340, 358, 367, 400, 370

- a. A circle graph is an appropriate way to display the data.
- b. A line plot is an appropriate way to display the data.
- c. A bar graph is an appropriate way to display the data.
- d. The data are quantitative.

_____ 4. Which statements are valid for the data set shown below?

weights of seals (in pounds):

367, 326, 377, 375, 347, 400, 326, 317, 300, 373, 389, 350, 325, 317, 361

- a. The data are quantitative.
- b. A bar graph is an appropriate way to display the data.
- c. A circle graph is an appropriate way to display the data.
- d. A box-and-whisker plot is an appropriate way to display the data.

- _____ 5. Which statements are valid for the data set shown below?
favorite color of students in a class
blue: 25; red: 22; yellow: 26; green: 26; black: 34; white: 36
- A box-and-whisker plot is an appropriate way to display the data.
 - A bar graph is an appropriate way to display the data.
 - A line plot is an appropriate way to display the data.
 - The data are qualitative.
- _____ 6. Which statements are valid for the data set shown below?
color of cars in a parking lot
blue: 17; red: 28; yellow: 26; green: 26; black: 31; white: 33
- A bar graph is an appropriate way to display the data.
 - The data are qualitative.
 - A box-and-whisker plot is an appropriate way to display the data.
 - A stem-and-leaf plot is an appropriate way to display the data.
- _____ 7. Which statements are valid for the data set shown below?
color of cars in a parking lot
blue: 29; red: 30; yellow: 20; green: 30; black: 39; white: 36
- A stem-and-leaf plot is an appropriate way to display the data.
 - A bar graph is an appropriate way to display the data.
 - A box-and-whisker plot is an appropriate way to display the data.
 - The data are qualitative.
- _____ 8. Which statements are valid for the data set shown below?
color of marbles in a bag:
blue: 15; red: 24; yellow: 20; green: 30; black: 37; white: 34
- A circle graph is an appropriate way to display the data.
 - A box-and-whisker plot is an appropriate way to display the data.
 - The data are qualitative.
 - A line plot is an appropriate way to display the data.

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Answer Section

1. ANS: B, D PTS: 1 DIF: Level 2 REF: Algebra 1 Sec. 11.5
 NAT: HSS-ID.A.1
 KEY: qualitative data | quantitative data | classifying data | choosing and creating appropriate data displays
 NOT: Combined Concept
2. ANS: A, D PTS: 1 DIF: Level 2 REF: Algebra 1 Sec. 11.5
 NAT: HSS-ID.A.1
 KEY: qualitative data | quantitative data | classifying data | choosing and creating appropriate data displays
 NOT: Combined Concept
3. ANS: B, D PTS: 1 DIF: Level 2 REF: Algebra 1 Sec. 11.5
 NAT: HSS-ID.A.1
 KEY: qualitative data | quantitative data | classifying data | choosing and creating appropriate data displays
 NOT: Combined Concept
4. ANS: A, D PTS: 1 DIF: Level 2 REF: Algebra 1 Sec. 11.5
 NAT: HSS-ID.A.1
 KEY: qualitative data | quantitative data | classifying data | choosing and creating appropriate data displays
 NOT: Combined Concept
5. ANS: B, D PTS: 1 DIF: Level 2 REF: Algebra 1 Sec. 11.5
 NAT: HSS-ID.A.1
 KEY: qualitative data | quantitative data | classifying data | choosing and creating appropriate data displays
 NOT: Combined Concept
6. ANS: A, B PTS: 1 DIF: Level 2 REF: Algebra 1 Sec. 11.5
 NAT: HSS-ID.A.1
 KEY: qualitative data | quantitative data | classifying data | choosing and creating appropriate data displays
 NOT: Combined Concept
7. ANS: B, D PTS: 1 DIF: Level 2 REF: Algebra 1 Sec. 11.5
 NAT: HSS-ID.A.1
 KEY: qualitative data | quantitative data | classifying data | choosing and creating appropriate data displays
 NOT: Combined Concept
8. ANS: A, C PTS: 1 DIF: Level 2 REF: Algebra 1 Sec. 11.5
 NAT: HSS-ID.A.1
 KEY: qualitative data | quantitative data | classifying data | choosing and creating appropriate data displays
 NOT: Combined Concept