

Name: _____

Date: _____

Answer Key: Data Detectives and the Mystery of the Lost Lunchroom Graph: 2nd Grade Quiz

Second graders identify reliable sources and interpret simple classroom visuals to solve everyday problems using basic information gathering skills.

1. If you want to find out which fruit is the favorite in your class, what is the best thing to do?

Answer: B) Ask every student and count the answers

To get accurate data about a group, you must collect information from everyone in that group.

2. True or False: A picture graph uses small images to show how many of something there are.

Answer: A) True

Picture graphs, or pictographs, use symbols or icons to represent data points for easy reading.

3. When we put our colored pencils in bins by their color, we are ___ our data.

Answer: C) Organizing

Organizing means putting things in a specific order or categories so they are easy to find and use.

4. Lin counts 5 red birds and 2 blue birds in the park. Which total number is the data she found?

Answer: B) 7 birds

Data often involves simple addition; adding 5 and 2 gives the total data set of 7 birds.

5. True or False: If you want to know how tall a plant grew, using a ruler gives better data than just guessing.

Answer: A) True

Using a measuring tool like a ruler provides precise and reliable facts, which is better than a guess.

6. A ___ is a chart that uses bars of different heights to show information.

Answer: A) Bar Graph

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A bar graph is a common way for scientists and students to look at and compare data.

7. Which of these is a way to keep your classroom data safe so it doesn't get lost?

Answer: B) Putting it in a labeled folder

Managing data involves storing it in a safe, labeled place so it can be retrieved later.

8. Before you use information, you should check to see if the person who gave it to you is ____.

Answer: C) Trustworthy

Evaluating data includes assessing if the source is reliable and trustworthy.

9. True or False: Data means facts or information that we collect to learn something.

Answer: A) True

Data is essentially another word for the information or facts used to analyze a situation.

10. If a chart shows 10 kids like dogs and 2 kids like snakes, what does the data tell us?

Answer: B) More kids like dogs than snakes

By comparing the numbers 10 and 2, we can interpret the data to find a pattern or preference.