

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.

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**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.