Name: _____ **Date:** _____

Data Detective: Your 3rd Grade Guide to Spotting Smart Stats

Go beyond just gathering facts to challenge how sources are chosen and why some charts might be better than others for sharing your discoveries.

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1. A scientist wants to know which flower bees like most. She watches 100 bees and records their choices. This is an example of:

A. Managing data
B. Finding and collecting data
C. Cleaning a database
D. Protecting personal secrets

2. When you put your bird-watching notes into a folder labeled 'Winter Birds 2024' so you can find them later, you are _____ data.

A. deleting
B. ignoring
C. managing
D. guessing

3. True or False: A website written by a random person who doesn't study animals is the best place to find data about endangered tigers.

A. True
B. False

4. You see a chart showing that students eat more apples in October. How can you USE this data to help your school cafeteria?

A. Throw all the apples away
B. Order more pears for October
C. Order more apples for October
D. Change the school's name

5. A local library tracks how many books are checked out each day. The library is acting as a _____ of data.

A. source
B. secret
C. problem
D. mystery

6. True or False: If a graph doesn't have a title or labels on the sides, it is difficult to evaluate if the data is useful.

A. True

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B. False

7. You want to find out the most popular playground game. Which group would give you the most 'reliable' data for your whole school?

A. Asking only your one best friend
B. Asking 50 students from different grades
C. Asking a person at the grocery store
D. Guessing based on your favorite game

8. If you use a password to lock a spreadsheet containing your classmates' birthdays, you are _____ the data.

A. losing
B. securing
C. sharing
D. finding

9. True or False: When you compare two different weather websites to see if they both predict rain, you are evaluating the data.

A. True
B. False

10. Your teacher creates a pie chart showing that 75% of the class finished their homework. What is the BEST way to interpret this?

A. The whole class is failing
B. Most students finished their work
C. No one did their homework
D. The data is probably a lie