Name: _____   Date: _____

Messy Maps and Secret Symbols: A 1st Grade Data Detective Quiz

Moving beyond simple counting to help students evaluate if data is missing, broken, or plain wrong in complex classroom scenarios.

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1. The lunch lady counts 10 apples, but 5 apples are actually plastic toys. If you use her count to buy lunch, what is the problem with her data?

    A.   The data is too colorful

    B.   The data is not accurate

    C.   The data is too tall

    D.   There is no problem

2. If a chart about favorite pets only asks people who own dogs, the data is fair for all pets.

    A.   True

    B.   False

3. Leo wants to know the best playground slide. He asks a bird, a squirrel, and a rock. This data is _____ because they cannot slide.

    A.   Perfect

    B.   Useless

    C.   Funny

    D.   Heavy

4. A weather app says it is snowing, but you look outside and see a bright sun. What should you do with the app's data?

    A.   Put on a winter coat anyway

    B.   Delete the app forever

    C.   Evaluate why the data is wrong

    D.   Tell everyone it is snowing

5. A graph with no title or labels is still easy for everyone to understand.

    A.   True

    B.   False

6. Sarah finds two different lists of how many teeth 1st graders lose. List A says 20. List B says 5. Why should she check both?

    A.   To find the biggest number

    B.   To see which paper is prettier

    C.   To look for labels and sources

    D.   To draw a picture on them

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7. If you leave your science data outside in the rain and the ink washes away, you have _____ your data.

    A. Saved

    B. Found

    C. Lost

    D. Fixed

8. Data can be used to solve a problem, like finding the best time to go to the library.

    A. True

    B. False

9. You see a chart that says 'Favorite Fruits,' but there are no pictures of fruit, only numbers. What is missing?

    A. The name of the fruit

    B. The color of the paper

    C. The teacher's name

    D. The glue stick

10. A person who checks if information is true and organizes it nicely is acting like a _____ detective.

    A. Candy

    B. Data

    C. Space

    D. Sleepy