Name: _____   Date: _____

Data Detectives: Can You Solve the Mystery of Information?

Challenge your young analysts to build their own data collection systems and predict community patterns using visual synthesis skills.

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1. Imagine you want to find out which fruit is the favorite in our class. You decide to use a 'Sticker Chart' where every kid puts a sticker under their fruit. What are you doing with the data?

    A.   Hiding the data so no one sees it

    B.   Organizing and collecting data

    C.   Deleting the data by accident

    D.   Throwing the fruit away

2. If we look at a weather chart and see 5 suns and 0 rain clouds, we can ___ that tomorrow will most likely be sunny.

    A.   Guess blindly

    B.   Forget

    C.   Predict

    D.   Erase

3. If a robot tells you that it is snowing outside, but you look out the window and see bright sunshine, the robot's data is reliable.

    A.   True

    B.   False

4. You see a tally mark chart showing 10 kids like dogs and 2 kids like sharks. How should the pet store use this data for their window display?

    A.   Put only cats in the window

    B.   Close the store for the day

    C.   Put more dog toys in the window

    D.   Throw away the tally marks

5. To keep our classroom library data safe and easy to find, we should ___ our books by color or topic.

    A.   Group/Categorize

    B.   Hide

    C.   Mix

    D.   Lose

6. If you want to know which playground toy is the most popular, you should watch the playground and write down what you see.

    A.   True

    B.   False

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7. Sarah wants to count how many red cars pass the school. She creates a drawing of a car and colors it in every time one passes. What is the drawing represent?

    A.   A mistake

    B.   A data point

    C.   A storybook

    D.   A lunch menu

8. When we look at a big pile of mixed LEGOs and sort them by size, we are making the data ____ to use.

    A.   Harder

    B.   Uglier

    C.   Easier

    D.   Worse

9. A graph that shows that 'Elephants are smaller than Ants' is providing accurate data.

    A.   True

    B.   False

10. If we want to know if the birds like the blue birdhouse or the red birdhouse best, what should we do?

    A.   Ask the birds a question

    B.   Paint both houses purple

    C.   Count how many birds go into each house

    D.   Close our eyes