

Name: _____ **Date:** _____

Data Detective Mission: Lead the Pre-K Information Expedition

Can your students build a story using only patterns? Synthesize symbols and colors to architect a digital map of the classroom.

1. If we want to show a robot how many red apples and green pears we have, which tool helps us organize this best?

- A. A colorful storybook
- B. A sorting tray with labels
- C. A bouncy ball
- D. A nap mat

2. True or False: We can use stickers to represent real-life objects, like using a star to mean 'one sunny day' on our weather chart.

- A. True
- B. False

3. When we look at our snack chart and see 10 crackers but only 2 juice boxes, we are ____ the information to see what we need more of.

- A. Hiding
- B. Comparing
- C. Breaking
- D. Painting

4. If you are drawing a map of the playground and want to show where the swings are, which symbol makes the most sense to use?

- A. A drawing of a fork
- B. A picture of a bed
- C. A small U-shape like a swing seat
- D. A scribble of purple

5. True or False: If a friend tells you it is snowing outside, but you see the sun and feel the heat, their 'data' is not reliable right now.

- A. True
- B. False

6. To remember which cubby belongs to which student, we use ____ with names or pictures so we don't lose our things.

- A. Water
- B. Labels
- C. Shadows

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D. Music

7. We want to know which fruit the class likes best. What is the smartest first step to get this data?

- A. Ask every friend to pick one favorite
- B. Guess what they like
- C. Close our eyes and point
- D. Read a book about space

8. If we see a pattern of Red-Blue-Red-Blue on a block tower, we can use that data to ____ that the next block will be Red.

- A. Forget
- B. Predict
- C. Eat
- D. Clean

9. True or False: A chart that has messy scribbles all over the numbers is still a good way to share information with the principal.

- A. True
- B. False

10. Your teacher asks you to 'manage' the library. What is the most 'data-smart' way to group the books?

- A. Pile them all in the middle of the floor
- B. Put them under the rug
- C. Put animal books in one bin and plant books in another
- D. Throw them out the window