

Name: _____ Date: _____

Giant Sized Science: A Heavyweight Kindergarten Safari

Will a paperclip float or sink next to a bowling ball? Evaluate weight and scale through complex logic puzzles and comparison challenges.

1. A scientist needs to weigh a blue whale and a mouse. Why can't she use the same tiny kitchen scale for both animals?

- A. The whale is too blue for the scale.
- B. The scale isn't strong enough for the whale's mass.
- C. The mouse would eat the scale.
- D. Scales only work for things that can fly.

2. If you have two boxes that are exactly the same size, they must always weigh the same amount.

- A. True
- B. False

3. You are building a tower to reach a high shelf. Which tool would help you best determine how many blocks you need to reach that height?

- A. A thermometer
- B. A measuring tape
- C. A clock
- D. A telescope

4. If you use your own feet to measure the rug, and your teacher uses their feet, why will the final number of 'feet' be different?

- A. The rug grows when adults touch it.
- B. The teacher is better at counting.
- C. Standard units like inches are better because feet come in different sizes.
- D. The rug shrinks in the sunlight.

5. A balance scale shows which side is heavier by tipping down toward the ground.

- A. True
- B. False

6. Imagine you have a giant balloon and a small marble. Which one do you predict will be harder to lift off the ground?

- A. The balloon because it is bigger.
- B. The balloon because it is purple.
- C. The marble because it has more mass in a small space.
- D. Neither, they are both toys.

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7. Which measurement is most important if you are trying to find out if a toy car will fit inside a small tunnel?

- A. The weight of the car.
- B. The width of the car.
- C. How fast the car goes.
- D. The color of the tunnel.

8. A thermometer can tell you how many inches long a lizard is.

- A. True
- B. False

9. If you want to bake the world's most perfect cupcake, why is it important to use a measuring cup for the flour?

- A. To make sure the flour doesn't get lonely.
- B. To be precise so the recipe works every time.
- C. Because cups make the flour taste better.
- D. So you can see the bottom of the bowl.

10. You have three cups: one with water, one with honey, and one with air. Which cup will feel the lightest when you pick it up?

- A. The cup with honey.
- B. The cup with water.
- C. The cup with air.
- D. They all feel the same.