



CAMBRIDGE
INTERNATIONAL SCHOOL

Summer Assignment – Class 6th

Subject: Science

Chapters: Motion and Measurement of Distances

Light, Shadows and Reflections

Section A – Thinking-Based Multiple Choice Questions

1. Riya walks from home to school in a straight line. On another day, she takes a longer route with many turns. The distance travelled is different, but the displacement is the same. Why?

- a) She walked faster.
- b) Both routes ended at the same place.
- c) The road was crowded.
- d) She carried a heavy bag.

2. Which measuring tool would be the best for measuring the length of a curved leaf?

- a) Wooden ruler
- b) Measuring tape
- c) Thread and ruler
- d) Meter rod

3. A bus is moving at a constant speed. A passenger sitting inside the bus feels at rest because:

- a) The bus is not moving.
- b) The passenger is moving with the bus.
- c) The road is moving.
- d) The Earth is not moving.

4. You stand under a tree at noon and notice that your shadow is very short. Why?
5. Rahul wants to see his face clearly. Which object will help him most?
- a) White wall
 - b) Mirror
 - c) Book
 - d) Cardboard

Section B – Thinking and Reasoning Questions

6. A bicycle, a fan, and a swing are all in motion. Explain how their motions are different.
7. Why is it difficult to measure the length of a curved road using only a ruler? Suggest a better method.
8. During a power cut, you light a candle. Can you see objects behind a closed cupboard? Explain your answer.
9. Why do we see our reflection in calm water but not in muddy water?
10. A student says, "All objects that allow some light to pass through them form clear shadows." Do you agree? Give a reason.