



Standard and Non-Standard Units

A. Choose the Correct Answer:

1. Which of the following is a standard unit of measurement for length?

- A) Kilogram
- B) Litre
- C) Metre
- D) Gram

2. Which unit is commonly used to measure the weight of fruits and vegetables?

- A) Litre
- B) Gram
- C) Centimetre
- D) Second

3. Which of the following is a non-standard unit of measurement?

- A) Metre
- B) Kilogram
- C) Handspan
- D) Litre

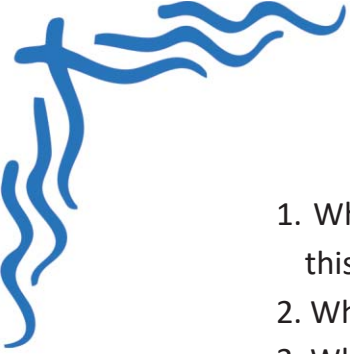
B. Fill in the Blanks:

1. The _____ system is used worldwide for standard measurements.
2. A non-standard unit of length used by children to measure things is _____.
3. The weight of small objects, like a pencil, is measured in _____.

C. Case Study:

- A teacher asked students to measure the length of their classroom table.
- Riya used a ruler and measured it as 1.5 metres.
- Aman used his handspan and counted 7 handspans.
- Meera used her footsteps and got 5 footsteps.
- The teacher explained that Riya's measurement is more reliable because she used a standard unit, while Aman and Meera used non-standard units, which can vary from person to person.

Case Study Questions:



1. What is the difference between standard and non-standard units based on this case study?
2. Why did the students get different measurements for the same table?
3. Which student's measurement is the most accurate and why?
4. Why do we need standard units of measurement?

D. Short Answer Questions:

1. What is the difference between standard and non-standard units of measurement?
2. Name two standard units used to measure weight.
3. Why is it important to use standard units instead of non-standard units?

E. Long Answer Questions:

1. Explain with examples why non-standard units are not reliable for measurement.
2. Describe different standard units of measurement used for length, weight, and volume.
3. How did people measure objects before standard units were introduced? Give examples.