

**ACTIVITY NO.- 10: ARE MEASUREMENT UNITS USED IN ANCIENT TIMES
RELIABLE ?**

Subject	Science
Class	VI
Chapter/Unit	Motion and measurement
Topic	Measurement
Time	40 mins
Nature of Activity	Group

What will I learn(Learning Outcome):

To explore that measurement is the technique developed for correct judgement of dimensions of various objects.

Skills: Applying and Analyzing

What I have to do ?

To find out the length of the table using handspan.

What do I require ?

Scale and table

What do I need to know?

A **standard unit of measurement** is a quantifiable language that helps everyone understand the association of the object with the **measurement**.

➤ **Teacher's Activity:**

Teacher will

- (1) explain the concept of measurement and its units
- (2) divide the class into groups of four members each and explain their roles for the activity
- (3) ask each group to measure the length of their table with their handspan and note down their observations.

How will I proceed ?

➤ **Student's Activity:**

Students will :

- (1) note down their observations in the observation table
- (2) analyze the data of measuring the length of the table with handspan of 4 friends.

What have I observed :

S.No	Name of the person	No. of handspans
1.		
2.		
3.		
4.		

What have I learnt ?

The length of table is _____ in every reading when measured with hand span. Hence, standard units are more _____ than the units used in ancient times.

What am I curious to learn?

Let us find out the standard measuring instruments used by a: tailor, mason, vegetable seller and milkman. What will happen if they also start using non-standard measuring instruments?

Let me evaluate myself

Q1. Define measurement.

Q2. What do you mean by standard unit of measurement?

Q3. Why do we need SI unit of measurement?

Q4. Can you think of some units of measurement of distances used in ancient times?

Q5. Why can a pace or footstep not be used as a standard unit of length ?
