



STEPPING STONE
SCHOOL (HIGH)

CLASS: 6

Subject: Physics

Date: 03/07/2020

Topic: Measurement (Revision)

Time Limit: 30 min.

Worksheet No. :15

Instruction

1. Please read the chapter from your text book and the attached notes.
2. Then work out the exercises neatly in your notebooks henceforth.
3. Ensure neat and tidy work.
4. Do not write above the red line of the notebook pages.
5. Use *interleaf* notebook with 64 pages and write with blue ink.
6. Make a contents page first with columns under the heads as given below:

CONTENTS				
DATE	WORKSHEET NO.	CHAPTER NO. AND NAME	PAGE NOS.	TEACHER'S SIGNATURE

Point's to Remember

- i. Time is defined as the duration of an event or as the interval between two events.**
- ii. The SI unit of measuring time is second (s).**
- iii. A stop watch or a stop clock is used for measuring short time intervals.**
- iv. The degree of hotness or coldness of an object is defined as the temperature of that object.**

- v. **Temperature is measured by a device known as thermometer.**
- vi. **The SI unit of temperature is kelvin (k).**
- vii. **The most commonly used unit for measuring temperature is degree Celsius ($^{\circ}\text{C}$).**
- viii. **Relation between $^{\circ}\text{C}$, $^{\circ}\text{F}$ and K.**

$$\frac{C}{5} = \frac{F - 32}{9} = \frac{K - 273}{5}$$
- ix. **Human body temperature is measured by a clinical thermometer.**
- x. **The normal human body temperature is measured by a clinical thermometer.**
- xi. **The normal human body temperature is 37°C or 98.6°F .**
- xii. **Approximation is a quick judgement about any measurement without actual measurement.**

Fill in the blanks.

- i. **The SI unit of time is _____.**
- ii. **A _____ is used to measure the temperature of human body.**
- iii. **The SI unit of temperature is _____.**
- iv. **The normal human body temperature is _____ $^{\circ}\text{C}$ or _____ $^{\circ}\text{F}$.**
- v. **_____ or a _____ is used for measuring short time intervals.**

Write true or false. Correct the false statements.

- i. **The SI unit of temperature is degree centigrade.**
- ii. **A laboratory thermometer is used to measure human body temperature.**
- iii. **In 24-hour clock, 3 am will be shown as 15:00 hours.**
- iv. **The normal human body temperature is 37°F .**
- v. **The total number of division between two fixed points in Celsius scale is 90.**

Question- What are the SI units of the following physical quantities?

- i. **Mass**
- ii. **Length**
- iii. **Time**

- iv. Area**
- v. Volume**
- vi. Temperature**
