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2ndSemester Mathematics – I Worksheet – II

Name: _____ Grade: 3 Section: _____ Roll No _____

Subject: **Mathematics - I** Date: _____

Topic – 1: Units of Measurement

1. Units of Length

Length refers to the measured quantity of something between one end and the other. The basic unit of length is **meter**. Millimeter (mm), centimeter (cm) and kilometer (km) are other units of length.

Relationships of units of length

- ✓ 1cm = 10 mm
- ✓ 1m= 100cm
- ✓ 1m = 1000mm
- ✓ 1km= 1000m

2. Units of mass

Mass is the amount of matter contained in a body. The other units of mass are milligram (mg), kilogram (kg), centigram (cg), quintal and ton. The basic unit of mass is gram (g).

Relationships of units of mass

- ✓ $1\text{cg} = 10\text{mg}$
- ✓ $1\text{g} = 100\text{cg}$
- ✓ $1\text{kg} = 1000\text{g}$
- ✓ $1\text{quintal} = 100\text{kg}$
- ✓ $1\text{ton} = 10\text{quintal} = 1000\text{kg}$

3. Units of time

Time is the ongoing sequence of events taking place. The basic unit of time is second (s).

The other units of time are minute, hour, day, week, month and year.

Relationships of units of time

- ✓ $1\text{minute} = 60\text{seconds}$
- ✓ $1\text{hour} = 60\text{minutes}$
- ✓ $1\text{day} = 24\text{hours}$
- ✓ $1\text{week} = 7\text{day}$
- ✓ $1\text{month} = 30\text{days}$
- ✓ $1\text{year} = 52\text{weeks}$
- ✓ $1\text{year} = 12\text{months}$

4. Units of volume

Volume describes how much space (liquid) is occupied (contained) by something. The units of volume are milliliter and liter. The basic unit of volume is liter (l).

1 liter = 1000 milliliter

Exercise – 1

1. Write the basic units of the following.

A. Length _____

B. Mass _____

C. Time _____

D. Volume _____

2. Complete the following conversions.

A. $3\text{km} = \text{_____ m} = \text{_____ cm} = \text{_____ mm}$

B. $4000\text{ mm} = \text{_____ cm} = \text{_____ m}$

C. $3\text{ years} = \text{_____ month} = \text{_____ weeks}$

D. $0.2\text{ kg} = \text{_____ g} = \text{_____ mg} = \text{_____ cg}$

E. $7\text{ liter} = \text{_____ mille liter}$

F. $400\text{ ml} = \text{_____ l}$

Topic – 2: Fraction

I. Define the following terms.

1. Fraction _____
2. Proper fraction _____
3. Improper fraction _____
4. Like fractions _____
5. Unlike fractions _____
6. Equivalent fractions _____