



पुर्णमा International School
Shree Swaminarayan Gurukul, Zundal

Grade - III

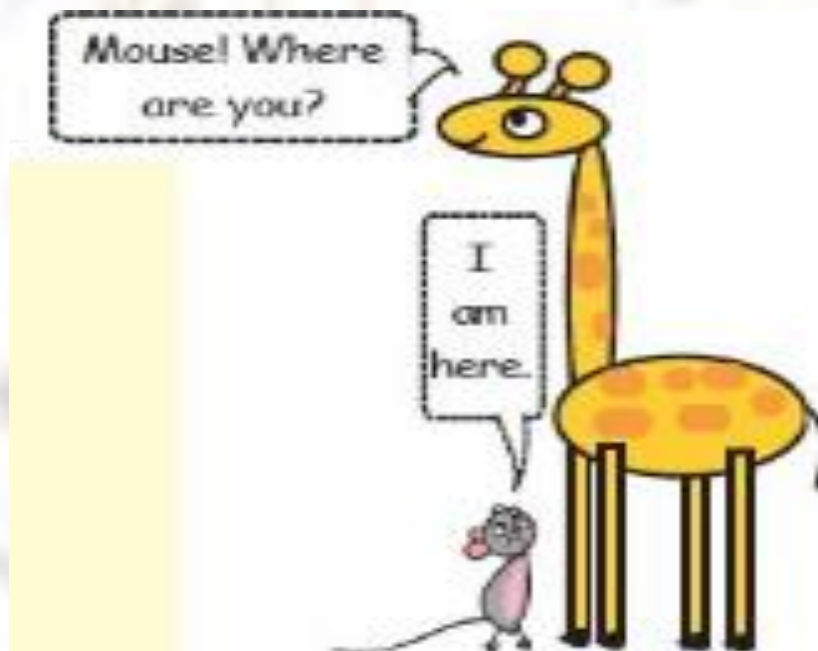
Maths

Sample plan

Month - July

Chapter 4

Long and Short



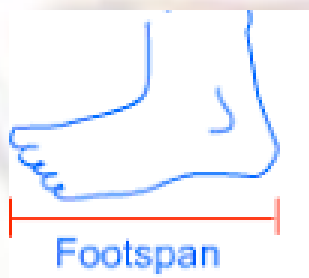
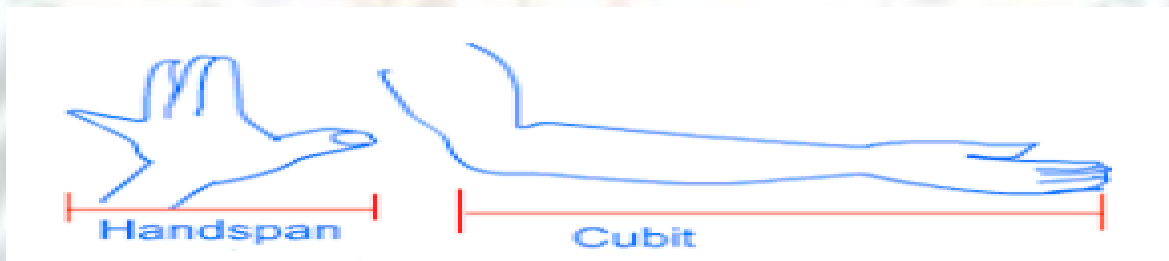
KEY POINTS TO REMEMBER

- ❖ Introduction: Units of measurement
- ❖ Find the length of given objects using standard units of measurement.
- ❖ Conversions.
- ❖ Draw a line using centimeter (cm) scale.
- ❖ Activity

❖ Introduction - Units of measurement

There are 2 types of units of measurement.

- 1) Non standard units of measurement - Non standard units of measurement are handspan, cubit, footspan etc.



- 2) Standard units of measurement – The standard units of measurement are millimeter, centimeter, metre, kilometer.

1 centimetre = 10 millimetre

1 metre = 100 centimetres

1 kilometre = 1000 metres

Here - Centimeter is denoted by **cm**.

Metre is denoted by **m**.

Kilometre is denoted by **km**.

Millimetre is denoted by **mm**.

❖ **Find the length of given objects using standard units of measurement.**

(cm or m)

- 1) Width of a computer screen. **cm**
- 2) Length of a pagdi worn by Sikhs. **m**
- 3) Height of a 1 year old child. **cm**
- 4) Length of a banana. **cm**
- 5) Waist of an elephant. **m**
- 6) Height of a sugarcane. **m**
- 7) Depth of a well. **m**
- 8) Height of your mother. **m**
- 9) Distance from classroom to school gate. **M**
- 10) Length of your father's arm. **m**
- 11) Length of your fingers. _____
- 12) Length of a saree . _____
- 13) Length of blackboard. _____
- 14) Length of keyboard of a computer. _____

❖ Conversion

A. Convert meter to centimeter.

Given 1 m = 100 cm

- a) 6m = $6 \times 100 = 600 \text{ cm.}$
- b) 22m = $22 \times 100 = 2200 \text{ cm.}$
- c) 71m = $71 \times 100 = 7100 \text{ cm.}$
- d) 244m = $244 \times 100 = 24400 \text{ cm.}$
- e) 128m = $128 \times 100 = 12800 \text{ cm.}$

B. Convert centimeter to meter.

Given 100 cm = 1m

- 1) 500 cm = $500 \div 100 = 5\text{m.}$

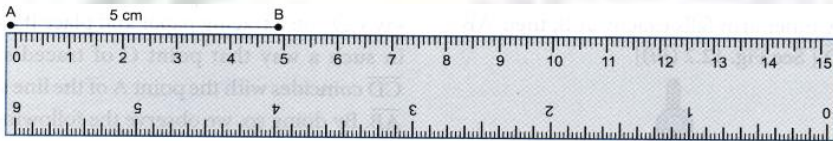
Solve -

$$\frac{500}{100} = \frac{5}{1} = 5 \text{ m}$$

- 2) 4400 cm = $4400 \div 100 = 44\text{m.}$
- 3) 2600 cm = $2600 \div 100 = 26\text{m.}$
- 4) 12000 cm = $12000 \div 100 = 120\text{m.}$
- 5) 86000 cm = $86000 \div 100 = 860\text{m.}$

❖ **Draw a line using centimeter scale.**

For eg - Line segment of 6



a) 5 cm =

b) 10 cm =

c) 12 cm =

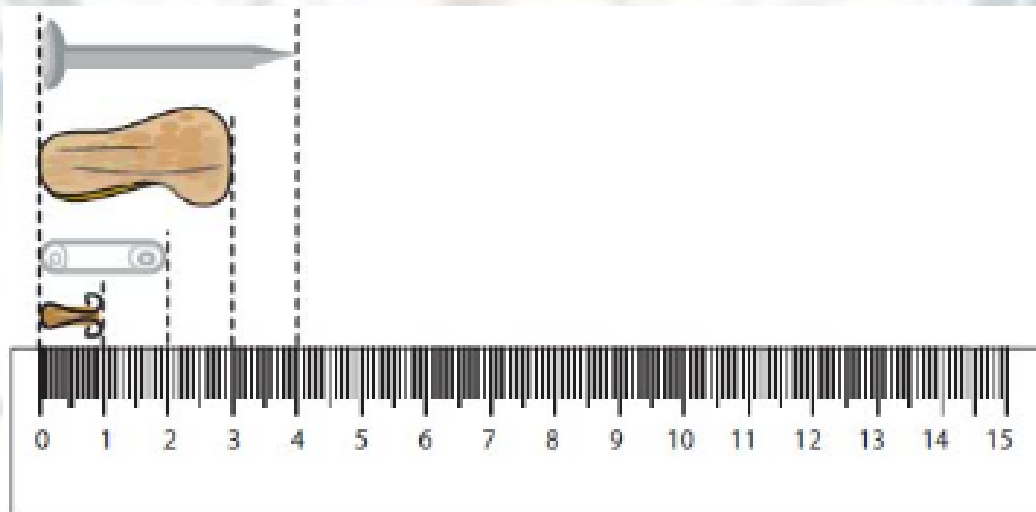
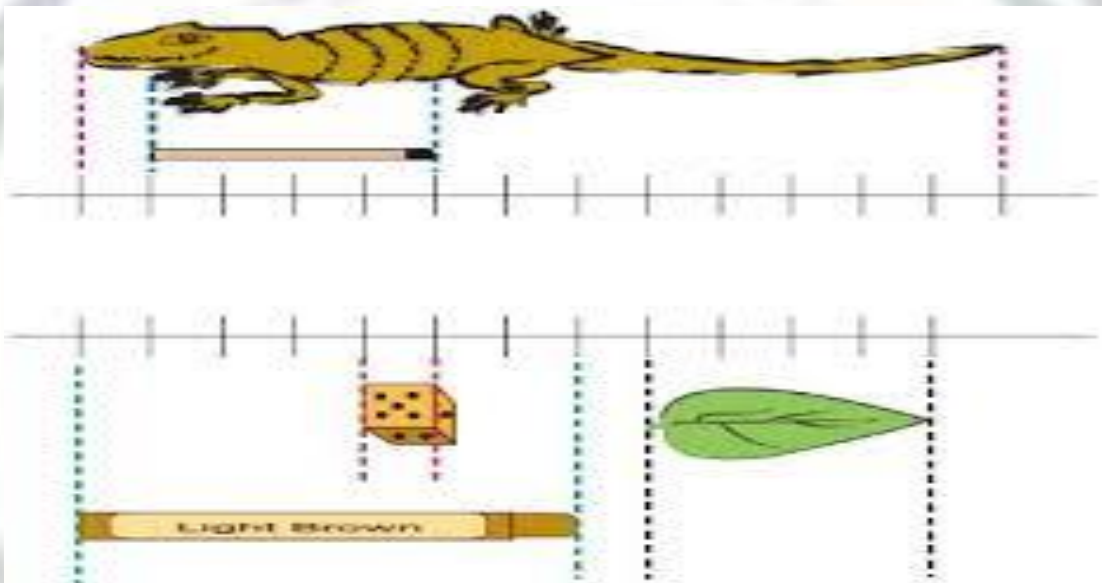
d) 4 cm =

e) 7 cm =

f) 3 cm =

Activity

❖ Use a centimeter ruler to measure the following measurement.



Chapter 5

Shapes and Designs



➤ **KEY WORD TO REMEMBER**

- ❖ **How many triangles are there?**
- ❖ **Find faces, edges and corners of shapes.**
- ❖ **Fill in the blanks.**
- ❖ **Tangram.**
- ❖ **Fill the colour to the clown. [Circle in blue, square in green, triangle in red and rectangle in yellow].**
- ❖ **Activity**

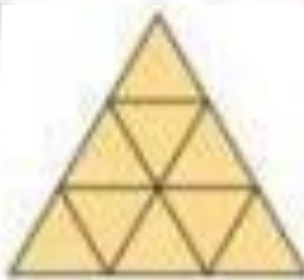
❖ **How many triangles are there?**

a)



Ans: **12 triangles.**

b)



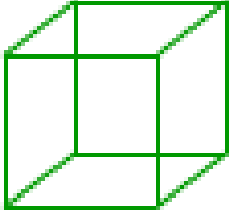
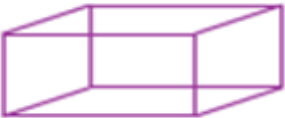

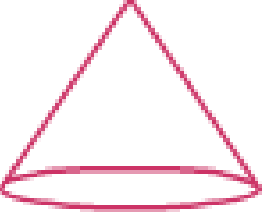
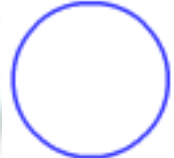
Ans: **13 triangles.**

c)



Ans: **15 triangles.**

❖ **Find faces, edges and corners (vertices) of shapes.**

Names	Shapes	Faces	Corners (vertices)	Edges
Cube		6	8	12
Cuboid		6	8	12
cylinder		2	0	2
Cone		1	1	1
Sphere		0	0	0

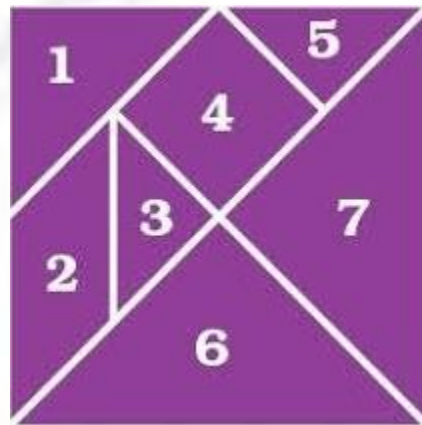
❖ **Fill in the blanks.**

- 1) A cone ice-cream has the shape of **cone**.
- 2) An eraser has the shape of **cuboid**.
- 3) The shape of a ball is **sphere**.
- 4) The tube light has the shape of **cylinder**.
- 5) A dice has the shape of **cube**.
- 6) Where two faces of a solid meet is called its **edge**.
- 7) A triangle has **3** corners.
- 8) All the sides of a **square** are equal.
- 9) A cone has **1** faces.
- 10) **Opposite** sides of a rectangle are equal.
- 11) A circle has **no vertices**.
- 12) Top view of a cylinder is a **circle**.
- 13) Solids are also called as **3 – D** figures.

❖ **Tangram.**

The tangram is an old Chinese puzzle. From the pieces of the tangram, we can make many shapes of animals, people and things.

- Use the below 7 pieces tangram and answer the following questions that follows.



1. Which piece is in the shape of square?

Answer - **4 number piece**

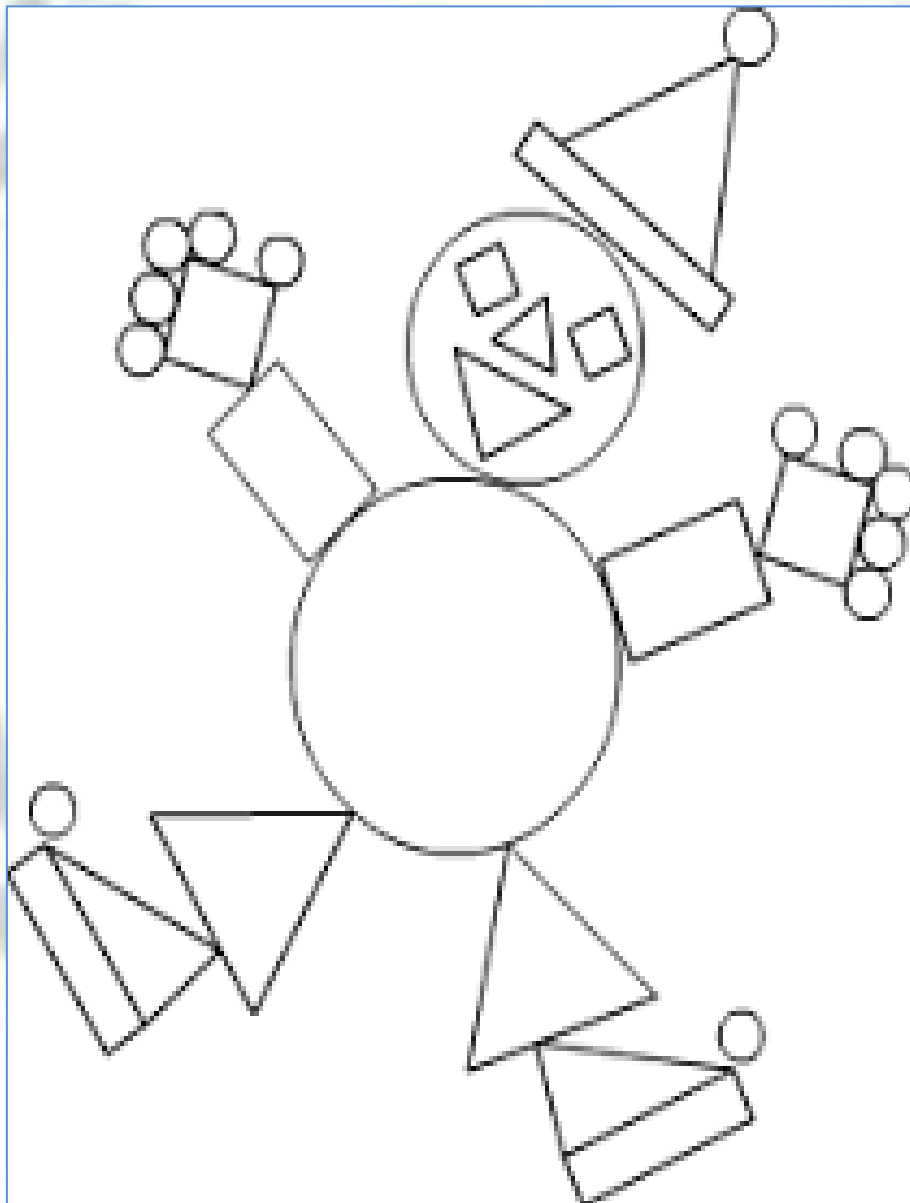
2. Which pieces are in the shape of triangle?

Answer - **1, 3, 5, 6 and 7**

3. How many triangles are there in the set?

Answer - **5 triangle.**

- Fill the colour to the clown. (circle - blue, square - green, triangle -- red , rectangle – yellow)



Activity

- Make a tangram using different shapes.

