

NORTH EX PUBLIC SCHOOL (Session 2020-21)

Class-VI

Subject-science

Chapter-11 MEASUREMENT & MOTION

TOPIC HISTORY OF TRANSPORT

MEASUREMENT

SI UNITS

Worksheet - 6

NOTE-Before attempting the question and answers you must check the link given below which will help you understand the chapter

You can download the assignment or if you do not have the facility to get printout then you can ask you what to copy the assignment in a simple notebook and must do question and answer the notebook.

NOTES:

### **History OF TRANSPORT**

The first form of transport was, of course, Shanks pony (the human foot!). However people eventually learned to use animals for transport. Donkeys and horses were probably domesticated between 4,000 and 3,000 BC (obviously the exact date is not known). Camels were

domesticated slightly later between 3,000 and 2,000 BC.

Meanwhile about 3,500 BC the wheel was invented in what is now Iraq. At first wheels were made of solid pieces of wood lashed together to form a circle but after 2,000 BC they were made with spokes.

The earliest boats were dug out canoes. People lit a fire on a big log then put it out and dug out the burned wood.

About 3,100 BC the Egyptians invented the sailing boat. They were made of bundles of papyrus reeds tied together. They had simple square sails made of sheets of papyrus or later of linen. However the sail could only be used when sailing in one direction. When travelling *against* the wind the boat had to be rowed.

About 2,700 BC the Egyptians began using wooden ships for trade by sea. Early ships were steered by a long oar.

## **MEASUREMENT**

**THE PROCESS OF DETERMINING THE LENGTH SIZE AND AMOUNT OF A PHYSICAL QUANTITY USING SPECIFIC DEVICES IS CALLED MEASUREMENT.**

### **BODY PARTS USED FOR MEASUREMENT**

ancient unit of measurement called the *cubit* was the distance from the elbow to the tip of the middle finger.

## Hand, Hand, Fingers, Thumb

The cubit was just one of numerous units of measurement based on the typical size of body parts. Here are a few more:

- **foot:** It probably goes without saying that the unit *foot* was based on the length of a man's foot.
- **span:** Stretch out your hand so that the tip of your thumb is as far away as possible from the tip of your pinky. That distance is called a "span," which for most people is almost exactly half a cubit.

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### MEASURING THE LENGTH OF THE CURVED LINE

#### Measuring Length of a Curved line

Tie a knot at one end of the thread.

Place the thread at the beginning of the **line** and try to **measure** a small initial portion of the **line** which is relatively straight.

Place your thumb at the other end of the **measured** portion and **measure** next straighter portion.

Repeat the above step till the end of **line** is reached.

#### WORKSHEET-6

Q-1) Explain the history of transportation.

Q-2) What are the different body parts used for measurement and how?

Q-3) What do you mean by standard units of measurement.

Q-4) write the SI unit for length mass and time.

Q-5) How can you measure the length of a curved line.

ANSWER

Answer-1)

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### Answer-2) **Hand, Hand, Fingers, Thumb**

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### Answer-3) **Hand, Hand, Fingers, Thumb**

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Answer-4) standard unit of length - metre

Standard unit of Mass - kilogram

Standard unit of Time - second

### Answer-5) **Measuring Length of a Curved line**

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Repeat the above step till the end of **line** is reached.

<https://youtu.be/17hYFMRvTSkx>