



STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
TELANGANA, HYDERABAD.

ACADEMIC YEAR 2020-21

Class: 5

Medium: English

Subject: Mathematics

Unit: 4

Chapter: Smaller lengths – bigger lengths

Worksheet

I. Learning outcomes:

- Able to understand concept of foot.
- Able to measure height in inches and feet.

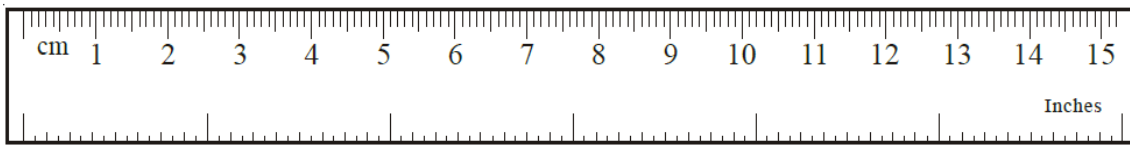
II. Conceptual understand/Activity/Model problem:

- Do you know other units than millimeter, centimeter and kilometer to measure lengths?
- Have you ever measured your height in a health camp in your school? What is your height?
- Height can be measured in any other unit of measurement, not only in centimeters?
- To know the above, observe the activity in page number 46 in your math textbook.

1. Teachers of Motlapalli village have organized a health camp. The doctor has recorded the height and weight of the children in their health cards. The Sony Health Card is as follows.

Health Card	
Name	: K. Sony
Father's Name	: Srinivas
Class	: 5 th
Height	: 4' 11"
Weight	: 34 K.g

Have you observed the above card? Let us consider the following scale to know the above height.



You know that on the one side of the scale measurements are c.m. and m.m.

Do you know the units on the other side of the scale?

These are called inches.

$$1 \text{ Foot} = 12 \text{ Inches}$$

How many inches are shown on the above scale?

Now tell me the height of Sony's?

Sony height 4 ft 11 inches

This is indicated by the symbol.

4' 11"

Let us know total how many inches are there 4' 11"?

$$4' 11" = 4 \text{ feet } 11 \text{ inches}$$

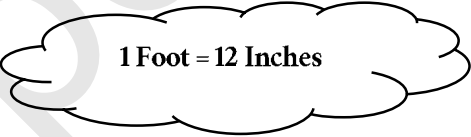
$$4' 11" = 4 \text{ feet} + 11 \text{ inches}$$

$$= 4 \times 1 \text{ foot} + 11 \text{ inches}$$

$$= 4 \times 12 \text{ inches} + 11 \text{ inches}$$

$$= 48 \text{ inches} + 11 \text{ inches}$$

$$4' 11" = 59 \text{ inches}$$

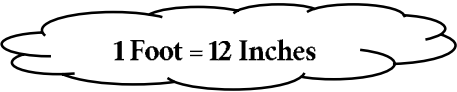


1. Convert 8 feet into inches?

$$8 \text{ Feet} = 8 \times 1 \text{ Foot}$$

$$= 8 \times 12 \text{ Inches}$$

$$= 96 \text{ Inches}$$



III. Worksheet:

1. Measure the lengths of the following items and record them in feet and inches.

Item Length	Length in feet and inches
The length of the gate of your house	
Wall length of your house	
The length of the bed in your house	
The length of the window in your home	
The length of the door in your home	
Length of your mathematics textbook	

2. Convert the following heights into Inches.

- | | |
|------------|------------|
| A. 2' | G. 9' 1" |
| B. 6' 10" | H. 15' |
| C. 10' 01" | I. 10' |
| D. 9' | J. 7' 11" |
| E. 5' 5" | K. 4' |
| F. 8' 2" | L. 12' 10" |

Instructions:

- Measure your height and the height of your family members and tabulate in feet and inches.
- Collect some more such problems and solve and discuss with your friends.

IV. I have learnt:

1. I understand the concept of asking.

I can Can't do

2. I can change the heights in feet to inches.

I can Can't do