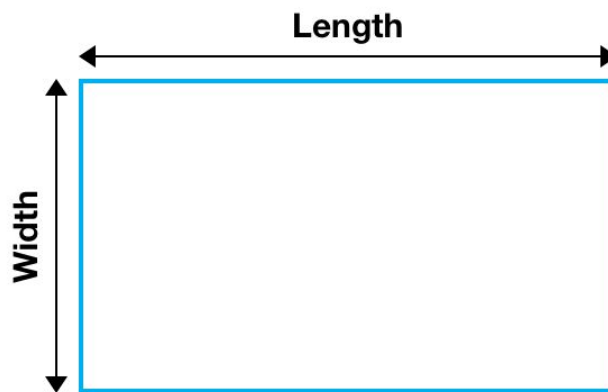


Measurement: Grade 7: Lesson 2




MEASUREMENT

Welcome back students. Today's topic will be, measurement. The Topic of Measurement, is a wide one, as such, it will be divided into sub topics. In this lesson, we will focus on: Measuring Length,

- 1) Length is the term used for identifying the size of an object or distance from one point to another. Length is a measure of how long an object is or the distance between two points. The length of an object is often referred to as an object's "longest side".



1.1) This exercise is about common tools used to measure length. Can you name them?

PICTURE	NAME
 <small>shutterstock.com • 1377442352</small>	
	
	

2) UNITS OF LENGTH: VIDEO

When we talk about measurement, we also talk of Conversion of Metric Units. Watch this video, to help you understand more!

Video: <https://youtu.be/djTNU4XIRo>

2.1) Now that you have watched the informational video, please do the exercise below!

- Name the three units of measurement that you learnt from the informational video.
- How many millimeters make a centimeter?
- How many centimeters make a meter?
- How many meters make a kilometer?

3) CONVERTING:

Now that we know what the units of measurement are, it is time to learn conversion!
Please read the helpful information below.

UNIT OF MEASUREMNT	REPRESENTED BY
MILLIMETER	mm
CENTIMETER	cm
METER	m
KILOMETER	km

- To convert larger units to smaller units we multiply a large number of units by the conversion factor on the right of the equal sign for the appropriate smaller unit

Example: 1 meter = 100 centimeters

11 meters = $11 \times 100 = 1100$ centimeters

- To convert smaller units to larger units we divide the number of smaller units by the conversion factor on the right-hand side of the equal sign for the appropriate larger units.

Example: Converting meters to kilometers

1 meter = $1/1000$ kilometer

7 m = $7/1000 = (7 \div 1000) = 0.007$ km

Now that you have read the information, please do the exercise below!

3.1) Please convert :

-2 km to meters

-11 cm to meters

-5 m to centimeters

- 4) Scratch Challenge: For your Scratch Challenge, you will do an animation of your Sprite/ Character measuring something in CENTIMETERS, and then converting that measurement to METERS, and KILOMETERS. Remember to have fun!**

Here are some useful resource links:

<https://www.dummies.com/programming/how-to-add-sound-for-a-scratch-character>

[/](#)

<https://youtu.be/BdBV-Cy9fNg>