Chapter 2-3 Linear Measurement **Name:** **Block:**

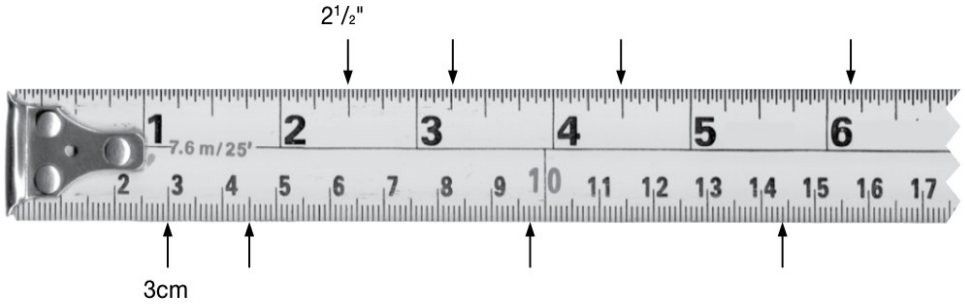
Measurement Assignment 1

The purpose of this assignment is to demonstrate your ability in measuring and converting in both the metric and imperial system.

In addition to correctly solving the problems below, please **clearly show all steps** to earn full marks for each question.

Part 1: Measurement Skills

1. Enter the correct length beside each arrow on the measuring tape. Remember to include the correct unit (inches or centimetres) Two examples are provided for you:



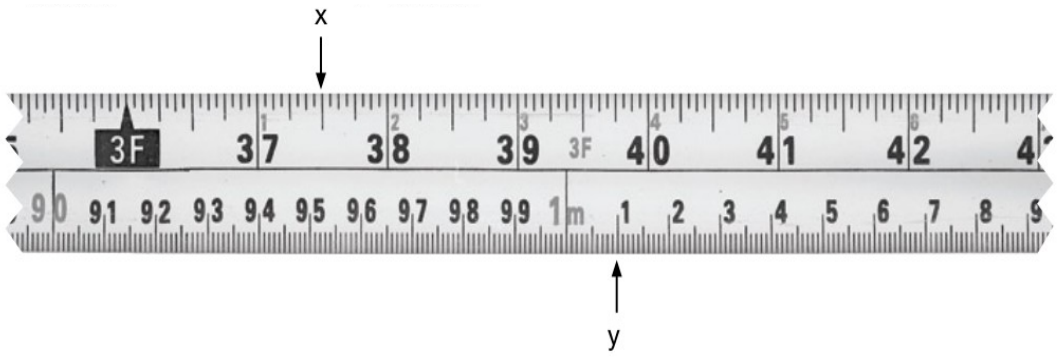
2. Label the following measurements (a–f) on the measuring tape with an arrow and the letter of the question. Two examples have been done for you.

x. 37 ½"

a. 39 ¾ in.
b. 3 ft. 4 ⅝ in.
c. 3.5 ft.

y. 1.01m

d. 93 cm
e. 0.992 m
f. 107.5 cm



3. Measure the following objects found in our class room:

Metric Units (mm, cm, m)		Imperial Units (in, ft)	
Height of door		Height of student desk	
Length of window (looking outside)		Width of student desk	
Length of student desk		Height of tea cannister	
Width of chalkboard		Width of computer monitor	

Part 2: Conversions

1. Mrs Dildy is doing some shopping at Ikea and sees a couch with the following dimensions: Width: 199 cm, Depth: 95 cm, Height: 89 cm
The wall in the living room is 9 ft 10 in long and her side tables are each 40 cm wide

Is there room for the couch and two side tables against the wall?

2. The driving distance between Parkland Secondary and Mayfair Mall is 27 km. How far is this in miles?

3. Mount Everest (worlds tallest mountain) is 8.848 km high. The Burj Khalifa in Dubai is the worlds tallest building and stands 2,720 feet tall. How many times taller is the worlds tallest mountain than the worlds tallest building?