CLASSROOM MEASUREMENT ACTIVITY

A Practical Application of Theory

PURPOSE:

To be able to produce a SCALE drawing of a FULL SIZE ROOM that FITS on a sheet of paper. ***You will work in a Group of 2 to 3 people.***

PREPARATION:

You need a metric tape measure, one that has CENTIMETERS (it CAN have inches, we're not using inches). If you cannot tell the difference between inches, centimeters, and millimeters, I know what elementary school you went to.

PROCEDURE:

Measure the following TOP-DOWN-VIEW parts of the room (as if looking down from above), including furniture and shelving. Proper Architectural Drawings are usually in a scale of 1:50 (that's *smaller*), so you need to divide your measurement by 50 to get the *drawing size*.

THING	REAL MEASURMENT (length x width in cm)	SCALE FACTOR	SCALE MEASUREMENT (length x width in cm)
Room		÷ 50	
Door		÷ 50	
Windows		÷ 50	
Notched Corner of Room		÷ 50	
Teacher's Desk		÷ 50	
Your Student Desk		÷ 50	
Cupboards by Window		÷ 50	
Filing Cabinet		÷ 50	
Cabinet at Back of Class		÷ 50	
TV		÷ 50	
Projector Screen		÷ 50	

PRODUCE:

Use a ruler to DRAW a SCALE VERSION of your classroom on an 8.5x11 (A-size) sheet of paper. Include everything you measured above. Show it to your instructor for marks!