Name:	
Date:	

LINEAR MEASUREMENTS

1. Measure the height of the ceiling from the floor:

a. Feet [ft] and inches [in] rounded to the nearest 1/8th inch:

b. Metres rounded to the nearest 0.01 m:

2. Measure the distance around your wrist:

a. Inches [in *or* "] rounded to the nearest $\frac{1}{4}$

b. Centimetres [cm] to the nearest 0.1 cm

3. Measure the distance around the rectangle at the right.

a. Inches to the nearest $1/8^{\text{th}}$:

b. millimetres [mm] to the nearest millimetre:



- 4. Measure the width of a floor tile:
- a. mm: _____
- c. Inches to nearest $\frac{1}{4}$ inch:

- b. cm to nearest 0.1 cm:
- d. feet and inches to the nearest inch:

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CONVERSIONS

5.	Convert:

a. 5 inches [in] = cm to the nearest 0.1 cm.	b. 2 ft 3 in (<i>ie</i> : 2' 3") = <u>cm</u> to the nearest 0.1 cm.
c. 25 cm of snow = in to the nearest ¹ / ₄ inch	d. 40 cm of string = inches to the nearest $1/8^{\text{th}}$ inch
don't forget you aren't supposed to make inches decimals. They are supposed to be 1/4ths, or 1/8ths, etc	don't forget you aren't supposed to make inches decimals

6. A barrel has a circumference of 1.46 meters [m]. How many inches around the barrel? (to the nearest inch).

7.	. Convert these metric units:				
a.	5 km =	metres [m]	b.	5.2 km =	m
c.	6700 m =	_ km	d.	120 mm =	cm
e.	1340 mm =	m	f.	2.6 km =	m

8.	Convert these larger units. Calculate to two decimal places						
a.	7.5	miles [mi] =km	1	b.	8 km =	mi	
c.	80	km =miles		d.	60 mi =	km	
9.	Calc	culate to the nearest unit:					
a.	480	0 miles = km			97,000,000 miles =	km	
(the distance a passenger jet travels in one hour)			ne				
10.	Adv	anced questions (not marked, bu	ut try th	nem a	inyway)		
	a. 26 millimetres =inches (to nearest 1/16 th)						
	 b. 1.6 miles = inches (you will need to convert the miles to feet then the feet to miles; two conversion calculations required) 						
	c.	10,207 feet =	·	miles	3. =	metres	
	d.	26 nanometres [nm] = (1)			of an atomic particle!)		
(2) inches (use decimal inches, allowed in this ca						ed in this case)	