S.1 PHYSICS EXERCISE ONE

	A SIMPLE APPROACH TO PHYSICS. **In Any Topic, The Following Must Be Put Into Consideration In Preparation For Exams/Tests** 1. DEFINITIONS 2. FORMULAE 3. SI UNITS 4. EXPERIMENTS/DIAGRAMS/LAWS/PRINCIPLES/CONDITIONS/FACTORS/EFFECTS/EXAMPLES/ ASSUMPTIONS/USES/IMPOTANCES/APPLICATIONS/SIMILARITIES/DIFFERENCES/ EXPLANATIONS/ DESCRIPTIONS. E.T.C 5. CALCULATIONS.
1.	Write the number 348.5 in ***Scientific form***. A. 34.85×10^{1} B. 3.485×10^{2} C. 3.485×10^{3} D. 3.485×10^{-2} . **(Show the working).**
2.	Which of the following is not a ***branch*** *o*f physics? A. Mechanics B. Light C. Heat D. Engineering. **(Identify all the other branches)**
3.	A rectangular block of wood ,25cm by 4cm by 20cm has a mass of 1.6kg. What is its ***density*** in gcm^{-3}.

	A. $0.0008gcm^{-3}$ B. $0.8gcm^{-3}$ C. $800\ gcm^{-3}$ D.$8000gcm^{-3}$ **(Show the working)**
4.	A cylindrical tank has a radius of 70cm and a height of 2m. The capacity in litres of this tank when full of water is A. 140 litres B. 30,800 litres C. 30,800,000litres D. 14000litres **(Show the working)**
5.	Round off the number 49,128 to two significant figures. A. 50,000 B. 49,100 C. 49,000 D. 50,100 **(Show the working)**
6.	Convert 7,257,600 seconds to weeks. A. 84 B. 12 C. 10 D. 7 **(Show the working)**

7.	Convert $450cm^3$ to m^3. A. $4.5 \times 10^{-4} m^3$. B $4.5 \times 10^{-6} m^3$ C . $4.5 \times 10^{-3} m^3$ D $4.5 \times 10^{-2} m^3$ **(Show the working)**
8.	The bowl shown below is hemisphere. If it has a radius of 1.5cm, calculate the volume of liquid in cm^3 that fills it up.