

PHYSICS WORKSHEET

Board – ICSE

Class – 7th

Topic – Physical Quantities and Measurement

1.

Column A	Column B
1. Volume of a liquid	1. kg m^{-3}
2. Area of a leaf	2. m^3
3. S.I. unit of volume	3. graph paper
4. S.I. unit of density	4. m s^{-1}
5. S.I. unit of speed	5. measuring cylinder

- State two smaller units of volume. How are they related to the S.I. unit?
- A boy travels with a speed of 10 m s^{-1} for 30 minute. How much distance does he travel?
- A car travels a distance of 15 km in 20 minute. Find the speed of the car in m s^{-1}
- A car travels a distance of 15 km in 20 minute. Find the speed of the car in km h^{-1} .
- The mass of a lead piece is 115 g. When it is immersed into a measuring cylinder, the water level rises from 20 ml mark to 30 ml mark ,
Find the density of the lead in kg m^{-3}
- A cubical tank of side 1 m is filled with 800 kg of a liquid. Find:
(i) the volume of tank,
(ii) the density of liquid in kg m^{-3} .
- The mass of an iron ball is 312 g. The density of iron is 7.8 g cm^{-3} . Find the volume of the ball.
- A rectangular field is of length 60 m and breadth 35 m. Find the area of the field.
- Find the volume of a liquid present in a dish of dimensions 10 cm x 10 cm x 5 cm.