

## QUICK REFERENCE SHEET

# Pressure, Density, and Fluids Quick Guide

A stronger quick guide to pressure and density, emphasising distribution, concentration, and clean SI-unit handling.

**QUICK OVERVIEW**

**Category: physics**

Includes 1 related guide page.

Links back to 2 calculator tools.

**FORMULA HIGHLIGHTS**

Pressure  
 $P = F / A$

Density  
 $\rho = m / V$

**CORE IDEAS**

- Pressure = force over area
- Density = mass over volume
- Both are ratio quantities whose meaning depends on the units used

**WORKED EXAMPLES**

A larger area lowers pressure for the same force.

A high density indicates a lot of mass packed into a relatively small volume.

**QUICK CHECKS**

- Normalise units before dividing.
- Do not confuse mass with weight.
- State the practical meaning of the result, not just the number.