

Density Practice Problems (Derivatives)

$$\text{Density} = \frac{\text{Mass}}{\text{Volume}} \quad \text{Volume} = \frac{\text{Mass}}{\text{Density}} \quad \text{Mass} = \text{Density} \times \text{Volume}$$

1. mass = 60 g, volume = 30 mL
2. mass = 0.82 g, volume = 4 cm³
3. mass = 225 g, volume = 15 mL
4. mass = 2.4 g, volume = 0.6 cm³
5. mass = 18.2 g, volume = 0.13 mL
6. mass = 1000 g, volume = 1000 mL
7. mass = 6 g, volume = 200 cm³
8. mass = 27.0 g, volume = 150 mL
9. mass = 82.8 g, density = 36 g/cm³
10. density = 23.9 g/cm³, volume = 5.2 cm³
11. density = 23.6 g/cm³, mass = 188.8 g
12. mass = 441 mg, density = 0.21 g/cm³
13. volume = 0.0931 cL, density = 5 g/cm³
14. mass = 5.6 g, volume = a block 2 cm x 2 cm x 2 cm
15. mass = 98.4 g, density = 41 g/cm³
16. density = 2.2 g/cm³, volume = 22 cm³
17. density = 3.33 g/cm³, mass = 56.61 g
18. mass = 105.3 cg, density = 3.51 g/cm³
19. volume = 5.5 L, density = 0.78 g/cm³
20. mass = 5 g, volume = a block 0.5 cm x 0.5 cm x 1 cm