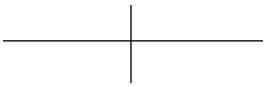
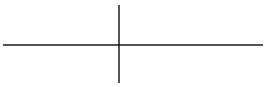
Conversions Formative 1

Solve the problems below, remember that length measurements are dimensional and must be handled differently than mass or volume measurements.

1. 2 cm x 3 cm = _____.
2. 18 ml x 18 ml = _____.
3. 3 mm x 3 mm x 3 mm = _____.
4. 5 kg x 4 kg = _____.

Complete the following conversions, use the picket fence provided.

5. 3 kg → g  =
6. 7000 ml → L  =
7. 18m → cm 
8. 12,345 mm → m  =
9. 500 g → kg  =
10. 0.75L → ml 

Complete the following convers, draw your own picket fence situation.

11. 1,200 mm → cm
12. 0.25 kg → g
13. 840 ml → L
14. 0.5 g → kg
15. 21 L → mL
16. 14 m → mm

Density is a property of matter. Density describes how much mass is within a specific unit of volume such as a mL, L, Kg, or cm^3. Convert the following densities as prompted. Remember 1 cm^3 = 1 cc = 1 ml.

17. 11,400 g /L → g/ml
18.  =
19. 2.4 kg/L → g/L  =
20. 18.4 kg /m^3 → kg/cm^3  =
21. 0.85 g/cm^3 → kg/m^3  =
22. 0.76 kg/m^3 → g/mL  =