1. Convert 8.05×10^6 dg to fg.

2. Convert 7.62 pm^2 to dm^2.

3. Convert 0.664 mm^3 to Mm^3.

4. Convert 1,764 kg/m to g/cm.

5. Convert 1,800 L to m^3.

1. Convert 8.05×10^{6} dg to fg.

(-1 - -15) x 1 + 6 = 20

8.05×10^{20} fg

2. Convert 7.62 pm^2 to dm^2.

(-12 - -1) x 2 + 0 = -22

7.62×10^{-22} dm^2

3. Convert 0.664 mm^3 to Mm^3.

(-3 - 6) x 3 + -1 = -28

6.64×10^{-28} Mm^3

4. Convert 1,764 kg/m to g/cm.

(3 - 0) x 1 + 3 = 6

(0 - -2) x 1 + 0 = 2 inverts to **-2**

6 + -2 = 4

1.764×10^{4} g/cm

5. Convert 1,800 L to m^3.

Recall that 1 mL = 1 cm^3

Change the problem to be in terms of mL.

Convert 1,800,000 mL to m^3

Replace mL with cm ^{3}

Convert 1,800,000 cm^3 to m^3

Solve: (-2 - 0) x 3 + 6 = 0

1.8×10^{0} m^3