|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **sample** | **mass (g)** | ***diameter (cm)*** | ***height (cm)*** | **volume** **(cm3)****v** $=\frac{πd^{2}h}{4}$ | **density (**$\frac{g}{ cm^{3} }$**)****d =** $\frac{m}{V}$ |
| **1** | **11.4 g** | 1.6 cm | 4.1 cm | **8.24 cm3** | 11.4/8.24 = **1.38 g/cm3** |
| **2** | **10.7 g** | 1.6 cm | 4.6 cm | **9.25 cm3** | 10.7/9.25 = **1.16 g/cm3** |
| **3** | **14.2 g** | 1.6 cm | 5.1 cm | **10.25 cm3** | 14.2/10.25 = **1.38 g/cm3** |
| **4** | **13.1 g** | 1.6 cm | 5.6 cm | **11.26 cm3** | 13.1/11.26 = **1.16 g/cm3** |
| **5** | **17.1 g** | 1.6 cm | 6.1 cm | **12.26 cm3** | 17.1/12.26 = **1.39 g/cm3** |
| **6** | **15.5 g** | 1.6 cm | 6.7 cm | **13.47 cm3** | 15.5/13.47 = **1.15 g/cm3** |
| **7** | **20.0 g** | 1.6 cm | 7.15 cm | **14.38 cm3** | 20.0/14.38 = **1.39 g/cm3** |
| **8** | **17.7 g** | 1.6 cm | 7.65 cm | **15.38 cm3** | 17.7/15.38 = **1.15 g/cm3** |
| **9** | **22.9 g** | 1.6 cm | 8.2 cm | **16.49 cm3** | 22.9/16.49 = **1.39 g/cm3** |
| **10** | **20.1 g** | 1.6 cm | 8.7 cm | **17.49 cm3** | 20.1/17.49 = **1.15 g/cm3** |
| **11** | **25.7 g** | 1.6 cm | 9.2 cm | **18.50 cm3** | 25.7/18.5 = **1.39 g/cm3** |
| **12** | **22.6 g** | 1.6 cm | 9.7 cm | **19.50 cm3** | 22.6/19.5 = **1.16 g/cm3** |