|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Group | **Copper** | **Steel**  **Brass** | **Iron** | **Aluminum** | **Steel** | **Lead**  **In plastic Bag** | **Glass** | **Plastic** | **Wood** | **Rubber** | **Cork** | **Ping Pong Ball** |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |
| Average |  |  |  |  |  |  |  |  |  |  |  |  |

**MASS** of Object in **grams**

**Class Data Table- Density of 12 Objects**

**Volume** of Object in **cm3**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Copper** |  | **Iron** | **Aluminum** | **Steel** | **Lead**  *In plastic Bag* | **Glass** | **Plastic** | **Wood** | **Rubber** | **Cork** | **Ping Pong Ball** |
| 1 | **60.0** | **53.7** | **62.1** | **17.4** | **49.6** | **28.9** | **14.0** | **9.1** | **4.5** | **14.8** | **5.6** | **2.6** |
| 2 | **72.5** | **67.3** | **62.0** | **21.6** | **49.0** | **28.9** | **14.0** | **8.9** | **4.5** | **11.9** | **5.4** | **2.5** |
| 3 | **No group** |  |  |  |  |  |  |  |  |  |  |  |
| 4 | **72.3** | **67.8** | **62.3** | **21.9** | **48.8** | **23.5** | **13.9** | **9.4** | **3.6** | **14.1** | **3.4** | **2.5** |
| 5 | **72.4** | **67.9** | **62.6** | **22.3** | **49.0** | **29.0** | **14.1** | **9.1** | **4.5** | **13.9** | **5.6** | **2.3** |
| 6 | **71.5** | **65.3** | **62.4** | **21.5** | **40.9** | **30.7** | **14.0** | **9.0** | **4.0** | **15.3** | **5.3** | **2.5** |
| 7 | **72.8** | **67.9** | **62.1** | **21.8** | **49.4** | **30.5** | **14.0** | **9.0** | **4.1** | **13.2** | **5.3** | **2.4** |
| 8 | **72.2** | **67.6** | **62.2** | **21.9** | **48.3** | **28.9** | **13.9** | **9.1** | **4.2** | **14.8** | **4.0** | **2.4** |
| Average |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Copper** | **Brass** | **Iron** | **Aluminum** | **Steel** | **Lead**  *(Teacher only)* | **Glass** | **Plastic** | **Wood** | **Rubber** | **Cork** | **Ping Pong Ball** |
| 1 | **cylinder** |  |  |  |  |  |  |  |  |  |  |  |
| 2 | **7.2 cm3** | **7.2** | **7.2** | **7.2** |  |  |  |  |  |  |  |  |
| 3 |  |  | **7.2** | **7.2** |  |  |  |  |  |  |  |  |
| 4 | **7.2** | **7.2** | **7.2** | **7.2** |  |  |  |  |  |  |  |  |
| 5 | **7.2** | **7.2** | **7.2** | **7.2** |  |  |  |  |  |  |  |  |
| 6 | **7.2** | **7.2** | **7.2** | **7.2** |  |  |  |  |  |  |  |  |
| 7 | **7.2** | **7.2** | **7.2** | **7.2** |  |  |  |  |  |  |  |  |
| 8 | **7.2** | **7.2** | **7.2** | **7.2** |  |  |  |  |  |  |  |  |
| **Average** | **7.2** | **7.2** | **7.2** | **7.2** |  |  |  |  |  |  |  |  |

**Average DENSITY** of Object in **g/cm3**

Place the 12 objects in order from least dense to most dense.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of Object | **Copper** | **Brass** | **Iron** | **Aluminum** | **Steel** | **Lead**  *(Teacher only)* | **Glass** | **Plastic** | **Wood** | **Rubber** | **Cork** | **Ping Pong Ball** |
| **Average Density of Object** |  |  |  |  |  |  |  |  |  |  |  |  |