|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Body* | *Diameter*  *(km)* | ÷  *Scale* | *Scale Diameter*  *(mm/cm)* | *÷2* | *Scale Radius*  *(mm/cm)* | *Distance*  *(km)* | *÷ Scale* | *Scale Distance (mm/m)* |
| [**Sun**](http://www.nineplanets.org/sol.html) | **1391900** | *5568* | 250/25 | ÷2 | 125/12.5 | **N/A** | *5568* |  |
| [**Mercury**](http://www.nineplanets.org/mercury.html) | **4866** |  |  |  |  | **57,950,000** | *5568* | 10,407/10.4 |
| [**Venus**](http://www.nineplanets.org/venus.html) | **12106** |  |  |  |  | **108,110,000** |  |  |
| [**Earth**](http://www.nineplanets.org/earth.html) | **12742** |  |  |  |  | **149,570,000** |  |  |
| **Moon** | **3478** |  |  |  |  | *384 ,000 km*  *from Earth!* |  |  |
| [**Mars**](http://www.nineplanets.org/mars.html) | **6760** |  |  |  |  | **227,840,000** |  |  |
| **Ceres** | **950** |  |  |  |  | **414,000,000** |  |  |
| [**Jupiter**](http://www.nineplanets.org/jupiter.html) | **142984** |  |  |  |  | **778,140,000** |  |  |
| [**Saturn**](http://www.nineplanets.org/saturn.html) | **116438** |  |  |  |  | **1427,000,000** |  |  |
| [**Uranus**](http://www.nineplanets.org/uranus.html) | **46940** |  |  |  |  | **2,870,300,000** |  |  |
| [**Neptune**](http://www.nineplanets.org/neptune.html) | **45432** |  |  |  |  | **4,499,900,000** |  |  |
| [**Pluto**](http://www.nineplanets.org/pluto.html) | **2274** |  |  |  |  | **5,913,000,000** |  |  |
| **Eris** | **1,445** |  |  |  |  | **10,200,000,000** |  |  |

Copy this table

Draw the planets to scale. Record the distance from the sun, it is too far to draw, so we will walk the distance outside.

Draw Earth and the moon at the scale distance from each other, and then draw the orbit.