

Real and Scaled Sizes of the Sun and Planets

| | Real Diameter | Scaled Diameter | Earth Diameters |
|----------------|---------------|-----------------|-----------------|
| Sun | 1,392,000 km | | |
| Mercury | 4,878 km | | |
| Venus | 12,104 km | | |
| Earth | 12,756 km | 1.3 mm | 1 |
| Mars | 6,794 km | | |
| Jupiter | 142,796 km | | |
| Saturn | 120,000 km | | |
| Uranus | 51,118 km | | |
| Neptune | 49,528 km | | |
| Pluto | 2,300 km | | |

The *scale factor* is 1 to 10 billion. Every millimeter in this scale model solar system represents 10 billion millimeters in the real solar system!