

## Real and Scaled Sizes of the Sun and Planets

	Real Diameter	Scaled Diameter	Earth Diameters
<b>Sun</b>	1,392,000 km	139.2 mm	109
<b>Mercury</b>	4,878 km	0.5 mm	0.38
<b>Venus</b>	12,104 km	1.2 mm	0.95
<b>Earth</b>	12,756 km	1.3 mm	1
<b>Mars</b>	6,794 km	0.7 mm	0.53
<b>Jupiter</b>	142,796 km	14.3 mm	11
<b>Saturn</b>	120,660 km	12.1 mm	9
<b>Uranus</b>	51,118 km	5.1 mm	4
<b>Neptune</b>	49,523 km	5.0 mm	4
<b>Pluto</b>	2,300 km	.23 mm	0.18

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!