

## Real and Scaled Sizes of the Sun and Planets

	<b>Real Diameter</b>	<b>Scaled Diameter (About)</b>	<b>Earth Diameters (About)</b>
<b>Sun</b>	1,392,000 km	14 cm	109
<b>Mercury</b>	4,878 km	$\frac{1}{20}$ cm	$\frac{2}{5}$
<b>Venus</b>	12,104 km	A bit more than $\frac{1}{10}$ cm	1
<b>Earth</b>	12,756 km	A bit more than $\frac{1}{10}$ cm	1
<b>Mars</b>	6,794 km	A bit less than $\frac{1}{10}$ cm	$\frac{1}{2}$
<b>Jupiter</b>	142,796 km	A bit more than 1 cm	11
<b>Saturn</b>	120,660 km	A bit more than 1 cm	9
<b>Uranus</b>	51,118 km	$\frac{1}{2}$ cm	4
<b>Neptune</b>	49,523 km	$\frac{1}{2}$ cm	4

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