

Real and Scaled Distances of the Planets

	Real Distance from the Sun (average)	Scaled Distance from the Sun (average)	Steps, 1 m Each (from previous planet)
Sun	—	—	—
Mercury	58 million km	6 m	6
Venus	108 million km	11 m	5
Earth	150 million km	15 m	4
Mars	228 million km	23 m	8
Jupiter	778 million km	78 m	55
Saturn	1,427 million km	143 m	65
Uranus	2,871 million km	287 m	144
Neptune	4,497 million km	450 m	163
Pluto	4,497 million km	450 m	140

The *scale factor* is 1 to 10 billion. Every meter in this scale model solar system represents 10 billion meters in the real solar system. Similarly, every step in the scale model solar system represents 10 billion steps in the real solar system!