

Jump to Jupiter!

Planet Sizes and Distances

The chart below gives the scaled sizes and distances of the planets, Pluto, and asteroid belt if the Sun was the size of a softball or grapefruit. One very large jump is roughly equal to a meter. As you can see, most of space is just that, SPACE! It gets awfully cold out there as you travel away from the Sun!

	Scaled Diameter (reduced by a factor of 10 billion)	Scaled Average Distance from Sun (reduced by a factor of 10 billion)	Approximate Total Number of Jumps from Sun
Sun	5.5" (14 cm) (softball or grapefruit)	-	-
Mercury	0.02" (0.049 cm) (pepper flake)	5.8 m	6
Venus	0.05" (0.12 cm) (poppy seed)	10.8 m	11
Earth	0.05" (0.13 cm) (poppy seed)	15.0 m	15
Mars	0.03" (0.068 cm) (pepper flake)	22.8 m	23
Ceres (Asteroid Belt Object)	0.004" (0.1 mm) (dust)	41.4 m	41
Jupiter	0.5" (1.4 cm) (marble)	77.8 m	78
Saturn	0.5" (1.2 cm) (marble)	142.4 m	142
Uranus	0.2" (0.51 cm) (peppercorn)	287.1 m	287
Neptune	0.2" (0.50 cm) (peppercorn)	449.8 m	450
Pluto	0.023 cm (pepper flake)	590.6 m	600