

## Solar System in My Neighborhood Planet Sizes and Distances

The charts below give the scaled sizes and distances of the planets if the Sun were the size of a giant pumpkin. Other foods may be substituted for the planets; they are provided in order of size to make substitution easier.

		Diameters (reduced by factor of 1 billion)	Food Representative (be creative!)
Largest	Sun	55 inches (1392 mm)	Giant pumpkin (or a Halloween orange pumpkin garbage bag)
	Jupiter	5 ½ inches (142.9 mm)	Large mango or potato
	Saturn	4 ½ inches (116.4 mm)	Large unpeeled orange or cantaloupe or coconut
	Uranus	2 inches (51.1 mm)	Plum
	Neptune	2 inches (49.5 mm)	Kiwi or lime (not a lemon)
	Earth	½ inch (12.7 mm)	Small grape
	Venus	½ inch (12.1 mm)	Large blueberry
	Mars	¼ inch (6.8 mm)	Pea or navy bean
	Mercury	3/8 inch (4.9 mm)	Uncooked orzo pasta
	Eris	3/32 inch (2.4 mm)	Grain of uncooked rice
	Pluto	1/16 inch (2.3 mm)	Grain of uncooked rice
Smallest	Comet Halley	Microscopic (1/100 mm)	--

		Distance from the Sun (reduced by factor of 1 billion)		
		Miles (Roughly)	Feet	Meters
Nearest	Mercury	4/100	190	58
	Venus	7/100	355	108
	Earth	9/100	491	150
	Mars	1/10	748	228
	Asteroid Ceres	¼	1,358	414
	Jupiter	½	2,553	778
	Saturn	¾	4,682	1,427
	Uranus	1 ¾	9,418	2,871
	Neptune	2 ¾	14,765	4,498
	Comet Halley	3 ¼	17,228	5,251
		5/100	289	(on Dec. 9, 2023) 88 (on July 28, 2061)
	Pluto	3 ¾	19,401	5,906
Furthest	Eris	6	32,923	10,035