



# MAKE YOUR OWN SOLAR SYSTEM WALK

Scale: 1 inch in this model represents ~100,000 miles in reality. Therefore, 36 inches (or 1 yard, or 1 big step) represents ~3.6 million miles.

(Don't worry about getting distances and diameters exactly right. Close is good enough.)

# big steps	Object	Scaled diameter (1 inch = 100,000 miles)
start here	Sun	8½ inches (e.g., volleyball)
10 steps to reach...	Mercury	0.03 in. or 0.7 mm (pinhead)
9 more steps to...	Venus	0.07 in. or 1.8 mm (peppercorn)
7 more steps to ...	Earth	0.08 in. or 1.9 mm (peppercorn)
13 more steps to ...	Mars	0.04 in. or 1 mm (pinhead)
32 more steps to ...	Ceres (asteroid belt)	0.01 in. or 0.1 mm (smaller than pinhead)
62 more steps to...	Jupiter	0.9 in. or 22 mm (chestnut or pecan)
110 more steps to...	Saturn	0.7 in. or 18 mm (hazelnut or acorn)
245 more steps to...	Uranus	0.3 in. or 7 mm (peanut or coffee bean)
276 more steps to...	Neptune	0.3 in. or 7 mm (peanut or coffee bean)
240 more steps to...	Pluto (Kuiper belt)	0.01 in. or 0.3 mm (smaller than pinhead)

Modified from:  
<https://noirlab.edu/public/products/educational-programs/eduprog032/>

Prefer a different scale? Visit:  
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