

Measuring Distances Between Planet Orbits



- 1** Complete the last column of the table by dividing the distance of each planet's orbit in AU by 10. Your answers will be in centimeters (cm).

Planet	Distance to Sun (millions of km)	Distance to Sun (AU)	Scale Distance in centimeters (cm) (1 AU = 10 cm)
Mercury	58	0.39	
Venus	108	0.72	
Earth	150	1.00	
Mars	228	1.52	
Jupiter	778	5.20	
Saturn	1,427	9.54	
Uranus	2,870	19.19	
Neptune	4,500	30.07	
Pluto	5,913	39.48	

- 2** Use the distances you calculated to draw a scale model in chalk, showing distances of each planet's orbit from the Sun. You may round off to the nearest centimeter.
- 3** As a class, make a model using a scale of 1 cm = 1 million km.