

**Solar System model #2:** Gray heading columns you must calculate, based upon the data in other columns which you look up in your Textbook's Appendix (not computer). The term “diameter” means twice the body’s equatorial radius. The term “distance” means the body’s orbital distance (semi-major axis) from Sun (except for the Moon body, where “distance” means orbital distance from Earth).

Body	diameter actual [km]	diameter model [cm] (calculated)	distance actual [km]	distance model [cm] (calculated)	distance model [m] (calculated)
Sun			N/A	N/A	N/A
Mercury					
Venus					
Earth		1.0 cm			
Moon			(from Earth)		
Mars					
Ceres (large asteroid)	970 km		$4.14 \times 10^8$ km (2.7 AU)		
Jupiter					
Saturn					
Uranus					
Neptune					
Pluto (Kuiper belt)			$6 \times 10^9$ km (40 AU)		
Oort cloud			$7.5 \times 10^{12}$ km (50,000 AU)		