

Adapted from NASA's Earth, Moon and Mars Balloons Lesson
<http://www.nasaexplores.com/>

EARTH, MOON, MARS SCALING

Student

Name: _____ Date: _____

Use the information from this table to determine the scale of your Earth balloon and to calculate the size of your other models. Be sure to fill in any missing information from the tables. Measurements are presented in kilometers (km) and centimeters (cm). Blow all balloons up to your calculated model sizes.

Astronomical Body	Diameter (km)	Model Diameter (cm)
Earth	12,756	20
Moon	3,476	
Mars	6,794	
Phobos	22	

Use the following table to calculate the distances between the planets.

Astronomical Bodies	Distance (km)	Model Distance (cm)
Earth to Moon	384,000	
Earth to Mars	78,000,000	

