

# Make a Model Solar System



- 1** Draw a line at one end of your paper strip. Label it the Sun.
- 2** Use the chart below. Read the distance of Mercury from the Sun. Then find the distance for Mercury's orbit. Measure that distance from the Sun and draw a line. Label it Mercury.
- 3** Repeat Step 2 for the orbits of all the other planets. Start each measurement from the Sun, not from the last orbit you measured.
- 4** Draw each planet in its orbit. Write the name of the planet under the drawing. Your planets will not be the correct size for the distances in your model. But you should still draw them larger and smaller compared to each other. Keep this in mind:

Very small planets: Mercury, Pluto

Small planets: Venus, Mars, Earth

Large planets: Uranus, Neptune

Very large planets: Jupiter, Saturn

Planet	Distance of Orbit from Sun in Space	Distance of Orbit from Sun on Model
Mercury	58 million km	6 cm
Venus	109 million km	11 cm
Earth	150 million km	15 cm
Mars	228 million km	23 cm
Jupiter	778 million km	78 cm
Saturn	1.4 billion km	143 cm
Uranus	2.9 billion km	287 cm
Neptune	4.5 billion km	449 cm
Pluto	5.9 billion km	590 cm