**EARTH Position**

1. Label the 1st position #1.
   - Draw a dotted line from Sun to Earth.

2. Using a protractor, mark an angle of 42°.
   - The center circle of the protractor goes on the Sun.

3. Draw a dotted line from the Sun to the circle, passing through the mark.
   - This is Earth position #2. Label it.

4. Now mark an angle of 74° from Earth position 2.
   - This shows you where Earth position 3 is.
   - Draw a dotted line and label it.
Mercury Position

To measure Mercury's 1st position, place the protractor's center circle on the Earth.
Mark an angle of 27.2°. Because it is 27.2° East, it goes to the left of the Sun.

Draw a solid line from Earth through the mark. Mercury lies somewhere on that line.

Use the protractor to make a right triangle with the solid and dotted lines.
The points of this triangle are Earth, Sun, and Mercury. Label Mercury position #1.