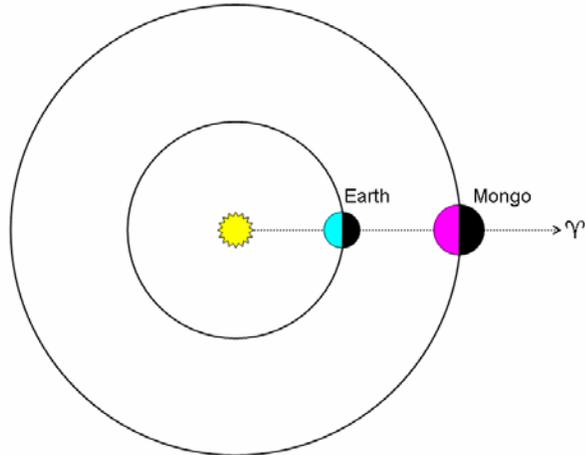




5. The planet Mongo orbits the Sun once every 5 Earth years in an orbit larger than the Earth's. Today Mongo is in Opposition with the Earth as shown in the diagram below:

Configuration Now



The symbol  $\gamma$  marks the direction of the Vernal Equinox.

How many months from now will the next Mongo Opposition occur?

On the diagram below, sketch the locations of Earth and Mongo at this next opposition. Assume both Earth and Mongo are orbiting the Sun counterclockwise in the diagram above.

