

4 A Full Moon again.  
The time to reach  
this point is the  
synodic period,  
29-30 days.

3 Moon must travel this extra distance  
to get to a Full Moon again because  
the Earth has moved along in its orbit.

2 Moon aligned with Star again.  
The time to reach this point  
is the sidereal period, 27.322 days.  
Moon is not a Full Moon.

1 Full Moon  
and  
Moon-Star Alignment

Sun

Moon's  
Orbit

Earth's  
Orbit

