



#25 - Distances

1. Which ancient civilization concluded that the Earth was round by observing sailing ships?
2. Which philosopher calculated the size of the Earth using shadows, angles and wells?
3. You can see the curve of the Earth's edge as the shadow moves across the Moon during ____
4. In the 17th century, who laid the mathematical groundwork of planetary orbits? _____
5. The distance from the Earth to the Sun is given the name _____
6. The passage of a planet across the disk of the Sun is called _____
7. When using transits to calculate the Earth-Sun distance, why are results not highly accurate?
8. In the 1960s, to calculate the AU, radio telescopes bounced radar pulses off of _____
9. The shift in position of an object, viewed along two different lines of sight, is called _____
10. When using parallax, the distance between the two observation points is called _____
11. The first star to have its parallax successfully measured was 61 Cygni, in the year _____
12. A light-year is defined as _____
13. A parallax shift of one arcsecond (1/3600th of a degree) is called _____
14. How far away is Proxima Centauri, the nearest star to the Sun? _____
15. Two stars that give off the same amount of energy are said to have the same _____
16. The temperature of a star can be found using _____