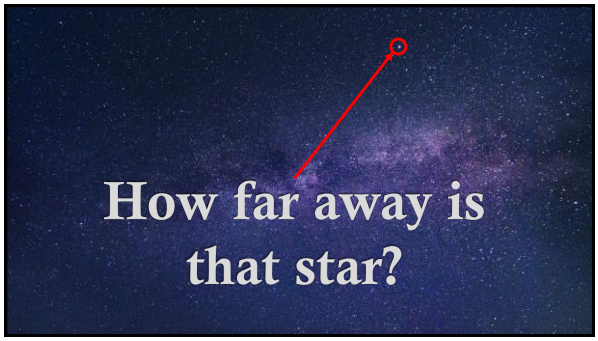
Scanning Review

Scanning Practice:

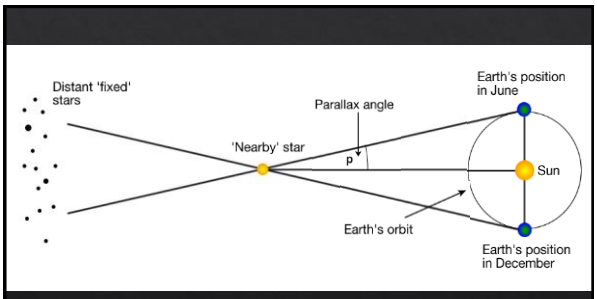
Look at **Pages 76 and 77** of your textbook.

Answer the Questions on your Worksheet!

Remember to look for the Key Words!



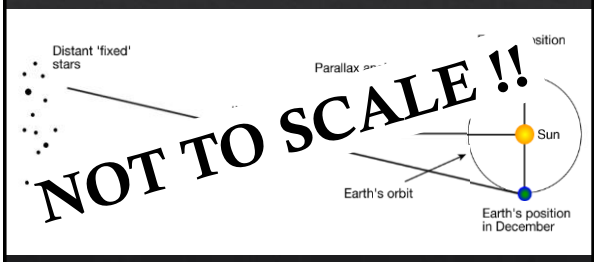
Method 1: Parallax



Read pg. 78 of your textbook.

Check understanding with your Partner

3 mins



Why is the diagram (drawing) not to scale?
(縮尺しない)

Talk with your Partner

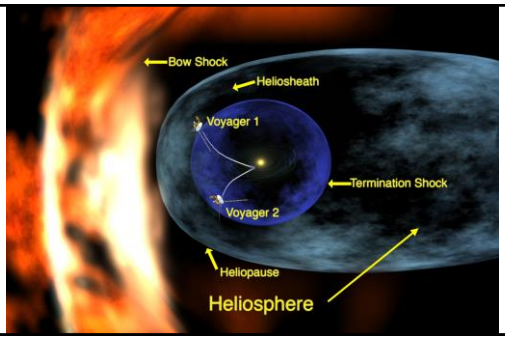
2 mins

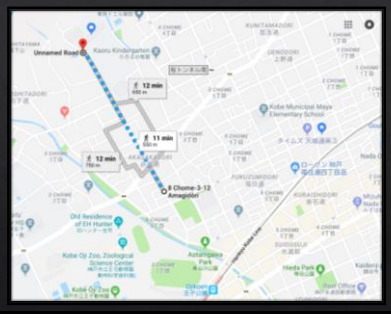
How far away is the sun?

The Earth to the Sun?

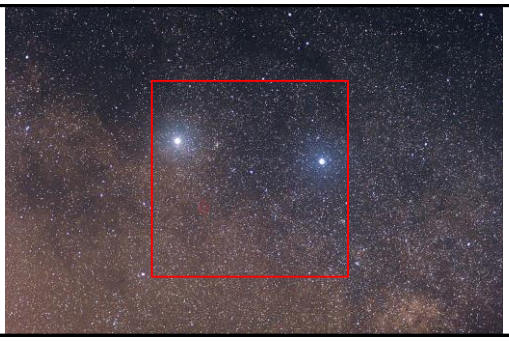
18 meters!

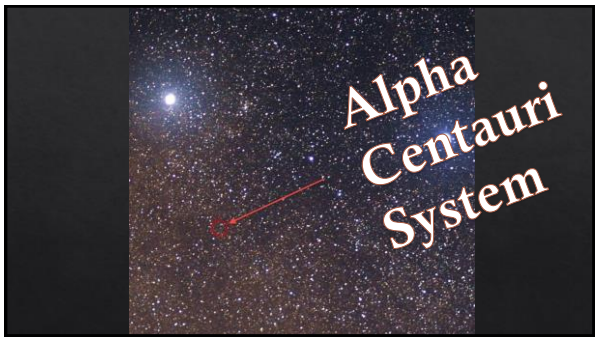
How far away is the edge of the solar system?

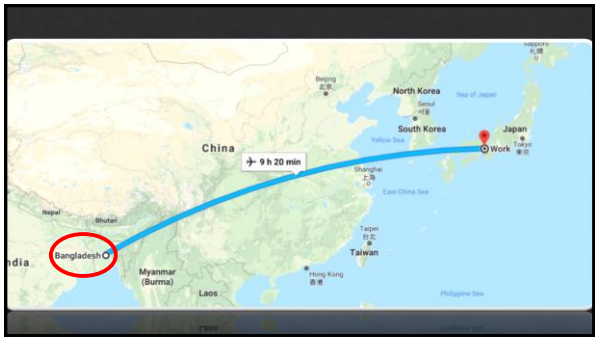




How far away is the closest star?





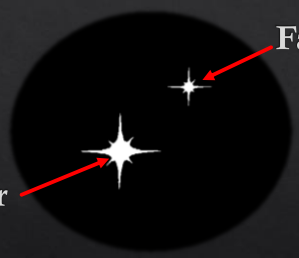


The distance between a nearby star and the sun is very **large** **compared to the distance between the sun and earth**

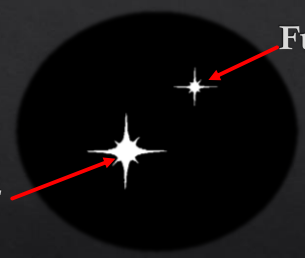
Therefore the parallax angle is too **small** to draw **accurately**.

Method 2: Brightness

What is the difference between Intrinsic Brightness & Apparent Brightness?

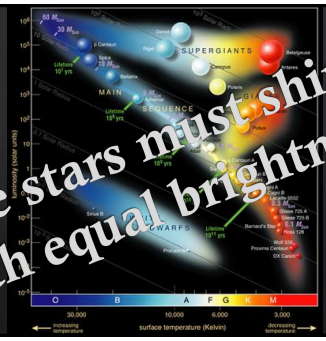


Same Star type



Same Star type

If you measure the difference in the brightness you can calculate the distance between the stars.



The stars must shine with equal brightness!

Read pg. 79 of your textbook.

Check understanding with your Partner

3 mins