


Scanning Review

Scanning Practice:

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

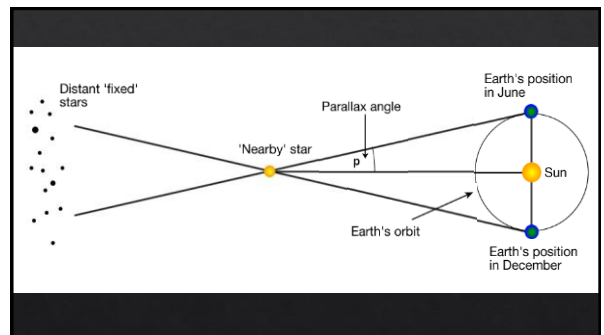
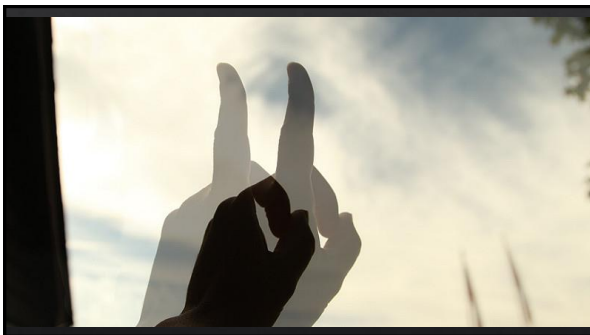
Answer the Questions on your Worksheet!

Remember to look for the **Key Words**!



How far away is
that star?

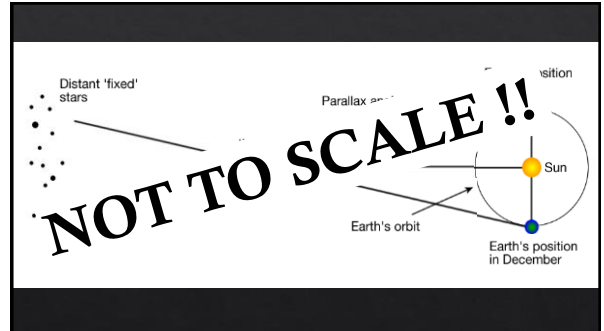
Method 1: Parallax



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

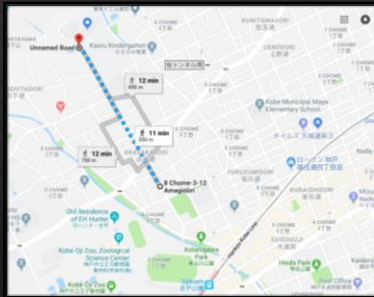
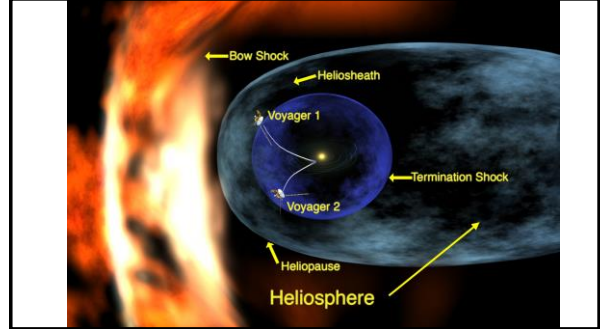
2 mins

How far away is
the sun?

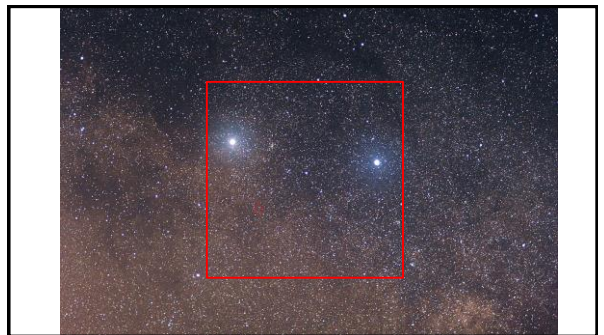


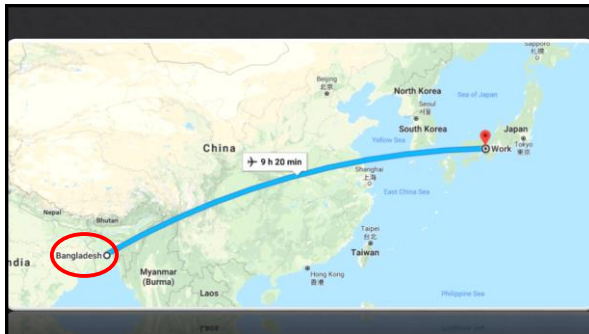
The Earth to
the Sun?
18 meters!

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?

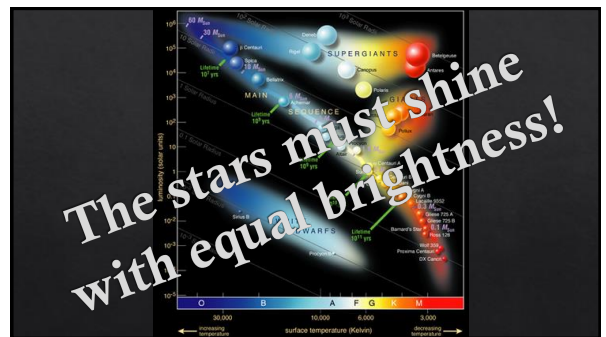
Brighter → Fainter
Same Star type

 A black circle represents a field of view. Inside, two white star-like symbols are shown. A red arrow points from the text 'Brighter' to the larger, more prominent star on the left. Another red arrow points from the text 'Fainter' to the smaller, less prominent star on the right. Below the stars, the text 'Same Star type' is written.

Closer → Further
Same Star type

 A black circle represents a field of view. Inside, two white star-like symbols are shown. A red arrow points from the text 'Closer' to the larger, more prominent star on the left. Another red arrow points from the text 'Further' to the smaller, less prominent star on the right. Below the stars, the text 'Same Star type' is written.

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



Read pg. 79 of your
textbook.

Check understanding with your Partner

3 mins