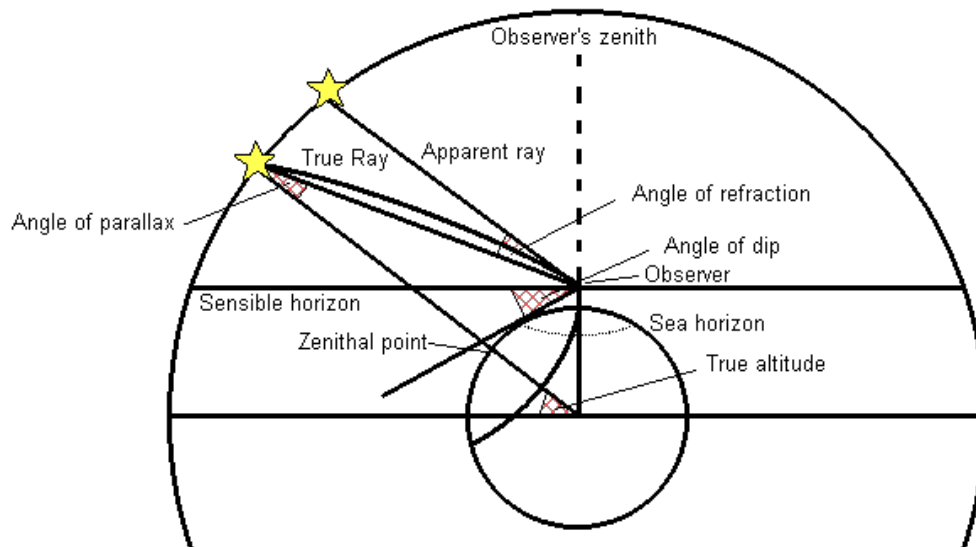
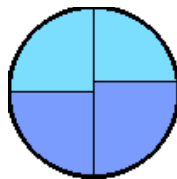


Briefly these are:

- Index Error
- Dip
- Refraction
- Parallax
- Semi-diameter

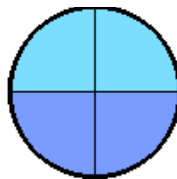


Index error is an instrumental error. When looking through a sextant at the horizon the exact level horizon will seldom be seen to be at 0°.



Sextant set at 0° - horizon split.

Before every sextant session the Index error should be determined.



Index error corrected for - horizon level.

If the error is less than 0° it should be added to whatever reading is obtained - if more subtracted. Hint: remember Noah, if off the Ark - add, if on the Ark - take off.

Dip is an adjustment made for the height of the eye above sea level. In practice this is usually taken as 0.98 times the square root of the height of the eye in metres above sea level multiplied by 3.28.

$$0.98 \sqrt{\text{ht of eye in metres} \times 3.28}$$