

CHAPTER 09
CBSE CLASS X

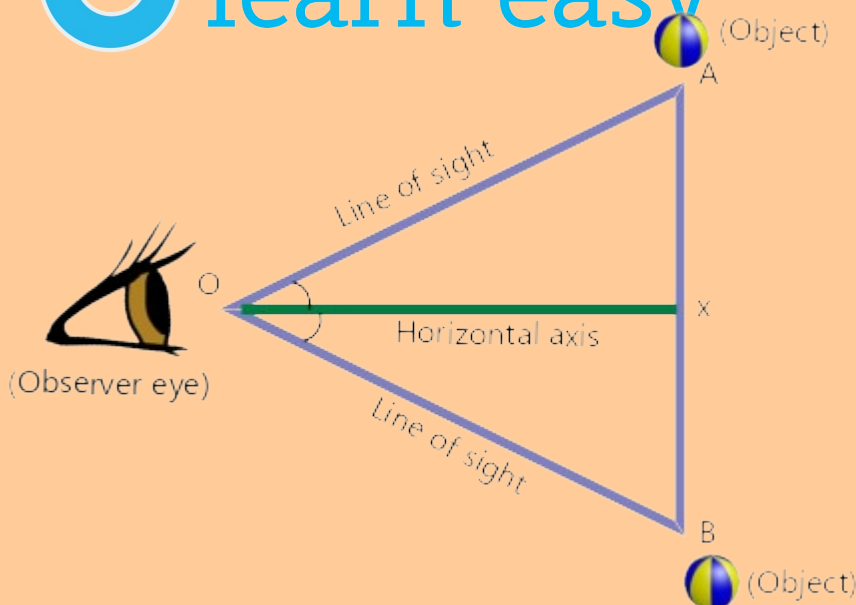
Some Applications of Trigonometry

Synopsis:
Line of Sight:

The line of sight is the line drawn from the eye of an observer to the point in the object viewed by the observer.

Example:

If the eye of an observer is at point 'O' and 'A' and 'B' are two objects, then 'OA' and 'OB' are called the 'line of sight'.



Trigonometry is widely used in fields of astronomy, navigation, architecture etc. Now let us learn how to apply the trigonometry results in finding the relation between heights and distances of various objects from a particular position or the distance between two distant objects. You have studied in social studies that the highest mountain peak in the world is Mount Everest and its height is 8848 meters.

Kuntala waterfall in Adilabad district is the highest natural waterfall in Telangana. Its height is 147 feet.

How were these heights measured?

Line of sight:

Brainbox

The line of sight is the line drawn from the eye of an observer to the point in the object viewed by the observer. If the eye of an observer is at point 'O' to 'A'. Then 'DA' is at she observed top most point of the tree. Draw a straight line from eye and Yoshitha to a tree and imagines a line joining the top most point and her eye.

