LAB – Measuring the Refractive Index Name:……..

Aim: to determine the refractive index of glass or plastic.

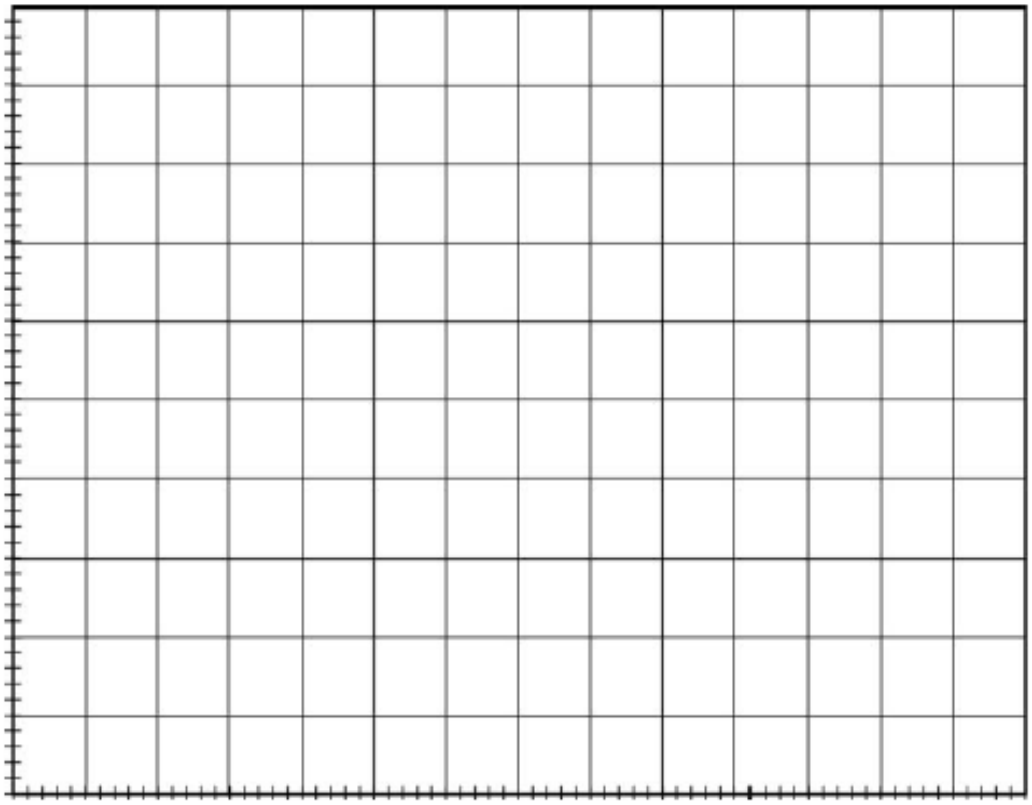
Method:

- Arrange a single slit to illuminate a glass or plastic block with a thin beam of white light.
- Draw normal lines on the block at the interface with the light rays.
- Measure the angles on incidence and refraction.
- Calculate $sin\ \theta_i$ and $sin\ \theta_r$.
- Repeat the measurement for differing angles of incidence.

Diagram:

Results:

θ_1	θ_2	$sin\theta_1$	$sin\theta_2$
0			
10			
20			
30			
40			
50			
60			
70			
80			



Conclusion: