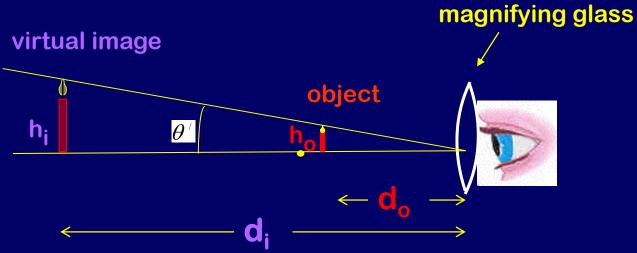
Magnifying Glass



Magnifying glass produces virtual image behind object, allowing you to bring object to a closer do: and larger θ'

Compare to unaided eye: $\theta = \frac{h_0}{d}$

$$\theta = \frac{h_0}{d_{near}}$$

Ratio of the two angles is the angular magnification M:

$$M = \frac{\theta'}{\theta} = \frac{h_o/d_o}{h_o/d_{near}} = \frac{d_{near}}{d_o}$$