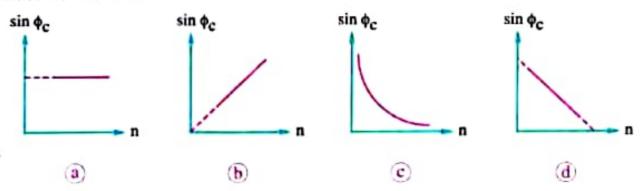


- The largest angle of refraction for a light beam passing from water of refractive index $\frac{4}{3}$ to air is
 - a 41.82°
- (b) 48.59°
- © 90°
- (d) 180°
- - a) the absolute refractive index of the optically denser medium only
 - b) the absolute refractive index of the optically rarer medium only
 - c) the absolute refractive indices of the two media
 - d the angle of incidence of the light ray on the boundary surface between the two media
- Which of the following figures represents the graph of sine of the critical angle (sin φ_c) for multiple transparent materials surrounded by air versus the absolute refractive index (n) for each of the materials?



- - a) 22°

b 30°

- © 41.4°
- d 48.5°