

$$\boxed{87} \quad n_1 \sin \theta_1 = n_2 \sin \theta_2 \Rightarrow 1 \sin 40^\circ = 1.33 \sin \theta_2 \Rightarrow \sin \theta_2 = \frac{\sin 40^\circ}{1.33} \Rightarrow \theta_2 = \sin^{-1} \left( \frac{\sin 40^\circ}{1.33} \right) \approx 28.9^\circ$$