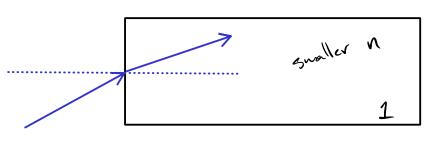


$$\frac{1}{3} \text{N,sin}\Theta_1 = \text{Nzsin}\Theta_2$$

$$\Theta_1 = \sin^2\left(\frac{\text{Nz}}{\text{N}}, \sin\Theta_2\right)$$

$$= \sin^2\left(\frac{1.7}{1}\sin 30^2\right)$$

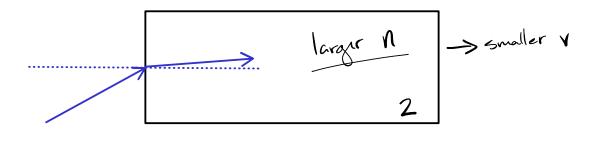
$$= 58.2^2$$

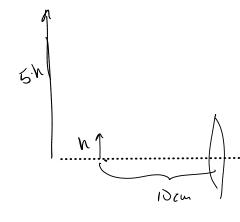


which meterial is the spiral of light higher?

> larger V $N = \frac{C}{V} \Rightarrow V = \frac{C}{N}$

$$N = \frac{C}{V} \Rightarrow V = \frac{C}{N}$$





Q: what is the image distance

$$M = \frac{h'}{h} = 5 = -9$$

buter question: what is the food length? $\frac{1}{p} + \frac{1}{q} = \frac{1}{f}$ $f = \frac{1}{1 + \frac{1}{4}} = 12.5 \text{ cm}$