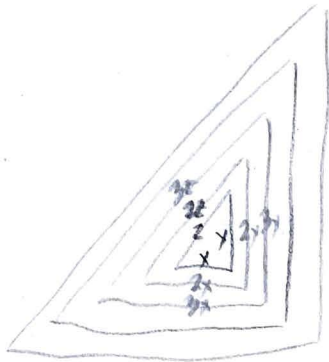


Using Your Bird Brain



Ratio of Areas

$$\frac{\text{Region 1}}{\text{Region 2}} = \left(\frac{x}{2x}\right)^2 = \frac{1}{4}$$

$$\frac{\text{Region 2}}{\text{Region 3}} = \left(\frac{2x}{3x}\right)^2 = \frac{4}{9}$$

$$\text{Region 1 Area} = 1 \quad 40$$

$$\text{Region 2 Area (less Region 1)} = 4 - 1 = 3 \quad 120$$

$$\text{Region 3 Area (less Region 2)} = 9 - 4 = 5 \quad 200$$

$$\text{Region 4 Area (less Region 3)} = 16 - 9 = 7 \quad 280$$

(C)