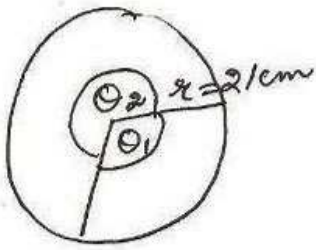


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reqd diff = ar (Major Sector) - ar (Minor Sector)

$$= \pi r^2 \frac{\theta_2}{360} - \pi r^2 \frac{\theta_1}{360}$$

$$= \frac{\pi r^2}{360} (\theta_2 - \theta_1)$$

$$= \frac{22 \times 21 \times 21}{7 \times 360} (240 - 120)$$

$$= \frac{22 \times 21 \times 21}{360} \times 120$$

$$= 462 \text{ cm}^2$$