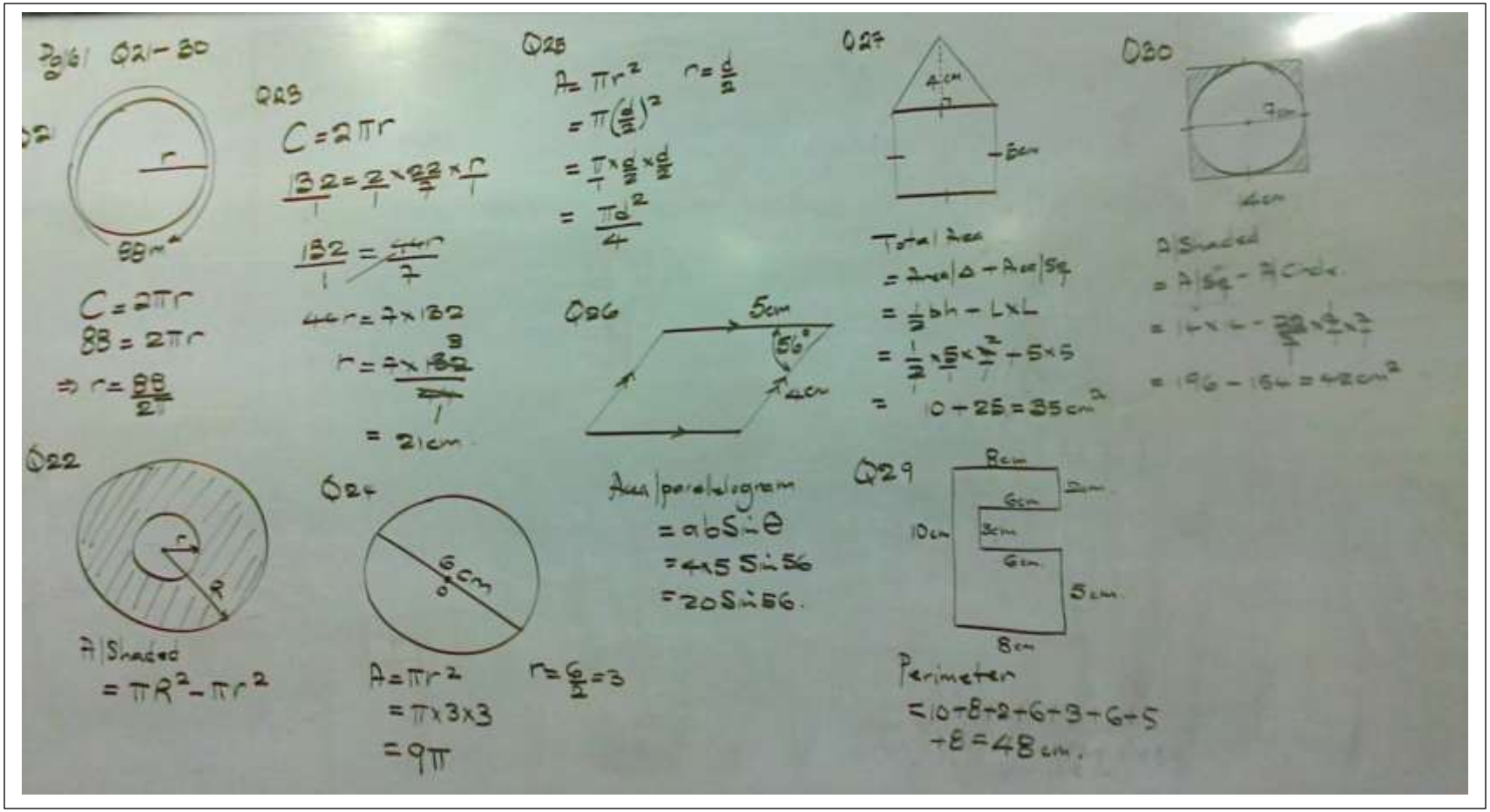
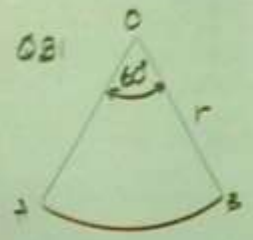
## Multilple Choices – Topic (Area and Perimeter) Activity Booklet Pages (156 -163)



Q31

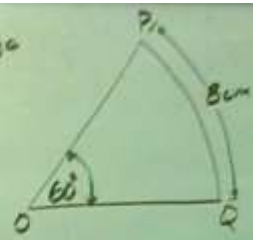



A/Sector $= \frac{\theta}{360} \times$ Area/Circle.

$= \frac{60}{360} \pi r^2$

$= \frac{1}{6} \pi r^2$

Q32




$L = \frac{\theta}{360} \times$ Circumference

$\frac{\theta}{1} = \frac{60}{360} \times \frac{C}{1}$

$\frac{\theta}{1} = \frac{C}{6}$

$C = 6 \times 8 = 48$ cm.

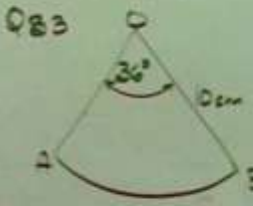
A/Sector $= \frac{\theta}{360} \times$ Area/Circle.

$= \frac{60}{360} \times 20$

D36 is a repeat of D28

D37 is a repeat of Q31

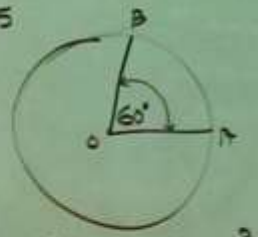
Q33




$L = \frac{\theta}{360} \times$ Circumference

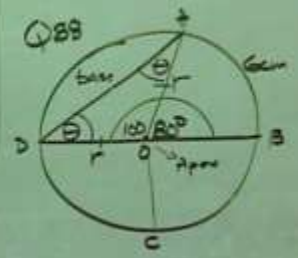
$L = \frac{36}{360} \times 2 \times \pi \times 10 = 2\pi$

Q35




A/Circle $= 20\ cm^2$

Q38




$\angle ADO = \theta$

$\theta + \theta + 100 = 180°$

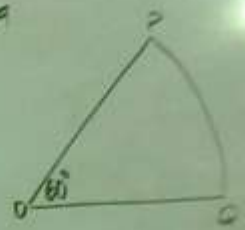
$2\theta = 180 - 100$

$2\theta = 80$

$\theta = \frac{80}{2}$

$\angle ADO = 40°$

Q34




$C = 44$

$C = 2\pi r$

$\frac{44}{1} = \frac{\theta}{1} \times \frac{22}{7} \times \frac{C}{1}$

$\frac{44}{1} = \frac{44r}{7}$

$44r = 7 \times 44$

$r = \frac{7 \times 44}{44}$

$r = 7$

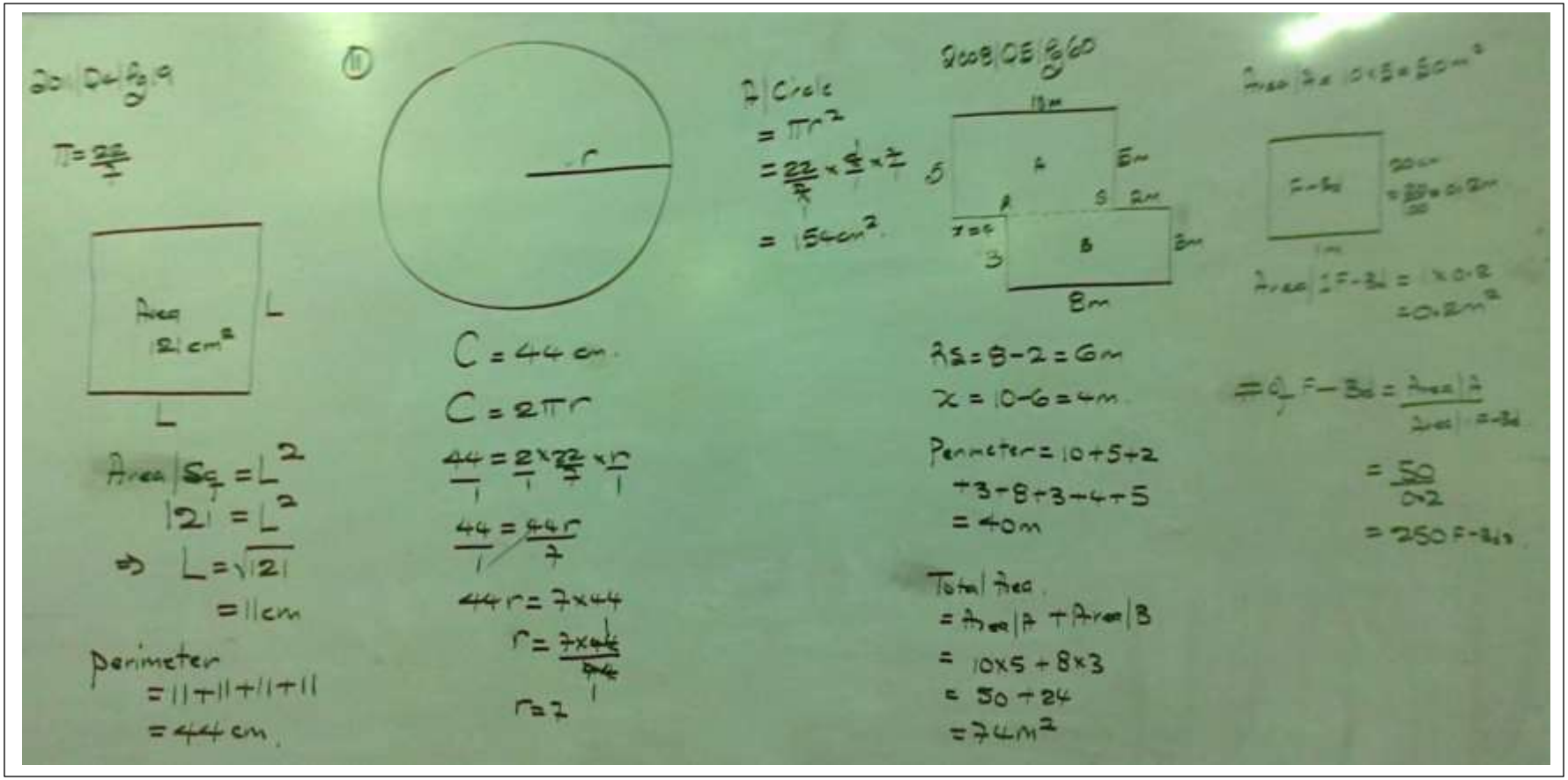
A/Sector $= \frac{\theta}{360} \times$ A/Circle

$= \frac{\theta}{360} \times \pi r^2$

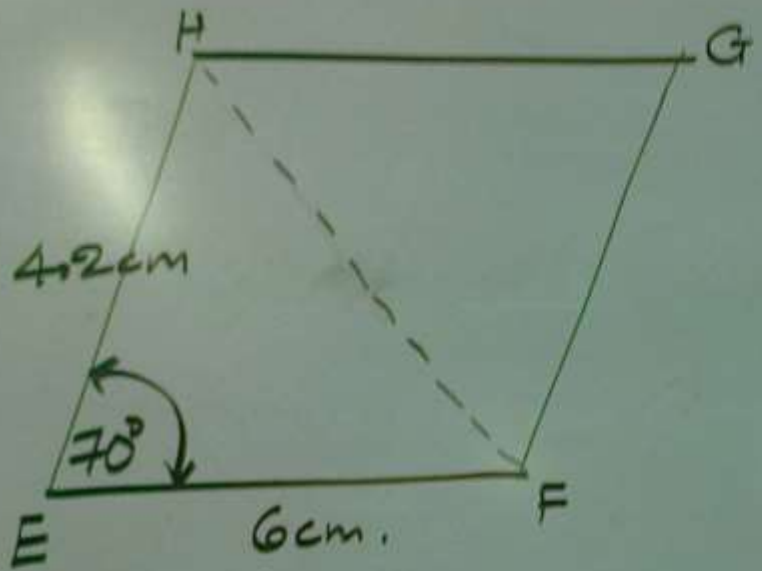
$= \frac{60}{360} \times \frac{22}{7} \times \frac{7}{1} \times \frac{7}{1}$

$= \frac{154}{6} = \frac{77}{3}\ cm^2$

# Paper 2 Booklet (Topic Area and Perimeter)



2006 | Q 12a ii | Pg 99

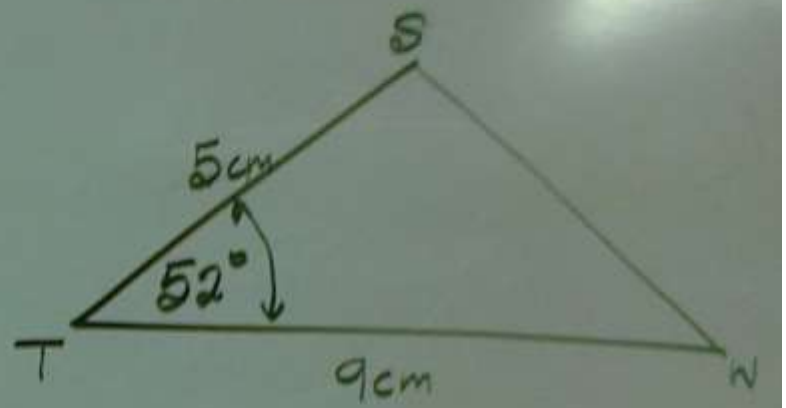



$$\text{Area} = ab\sin\theta$$

$$= 4.2 \times 6 \sin 70$$

$$= 23.7\ cm^2$$

2002 | Q 12a ii | Pg 148




$$\text{Area} = \frac{1}{2}ab\sin C$$

$$= \frac{1}{2} \times 5 \times 9 \sin 52^\circ$$

$$= 0.5 \times 45 \sin 52^\circ$$

$$= 17.7\ cm^2$$