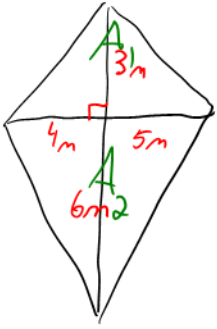


9.1 Areas of Composite Figures continued.

pg 458

11.



$$A_1 = \frac{bh}{2}$$

$$A_1 = \frac{(9)(3)}{2}$$

$$A_1 = 13.5 \text{ m}^2$$

$$A_2 = \frac{bh}{2}$$

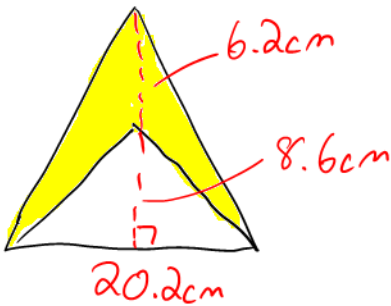
$$A_2 = \frac{(9)(6)}{2}$$

$$A_2 = 27 \text{ m}^2$$

$$\therefore A = 13.5 + 27$$

$$A = 40.5 \text{ m}^2$$

14.



$$A_B = \frac{bh}{2}$$

$$= \frac{(20.2)(14.8)}{2}$$

$$= 149.48 \text{ cm}^2$$

$$A_S = \frac{bh}{2}$$

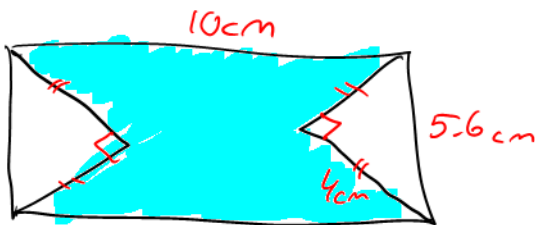
$$= \frac{(20.2)(8.6)}{2}$$

$$= 86.86 \text{ cm}^2$$

$$A = 149.48 - 86.86$$

$$A = 62.62 \text{ cm}^2$$

16.



$$A_B = lw$$

$$A_B = (10)(5.6)$$

$$A_B = 56 \text{ cm}^2$$

$$A_S = s^2$$

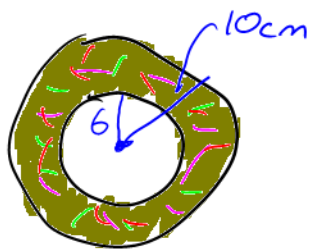
$$= (4)^2$$

$$A_S = 16 \text{ cm}^2$$

$$\therefore A = 56 - 16$$

$$A = 40 \text{ cm}^2$$

17.



$$A_B = \pi r^2$$

$$A_B = (3.14)(10)^2$$

$$A_B = (3.14)(100)$$

$$A_B = 314 \text{ cm}^2$$

$$A_S = \pi r^2$$

$$A_S = (3.14)(6)^2$$

$$A_S = (3.14)(36)$$

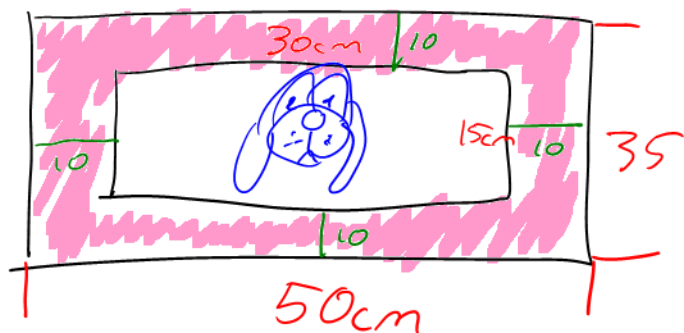
$$A_S = 113.04 \text{ cm}^2$$

$$\therefore A = 314 - 113.04$$

$$A = 200.96$$

$$A = 201 \text{ cm}^2$$

23.



$$A_B = lw$$

$$A_B = (50)(35)$$

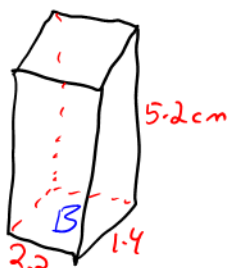
$$A_B = 1750 \text{ cm}^2$$

$$\begin{aligned} A_{\text{Picture}} &= lw \\ &= (30)(15) \\ &= 450 \text{ cm}^2 \end{aligned}$$

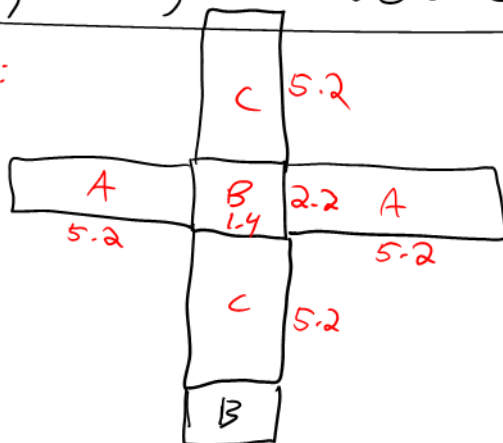
$$\begin{aligned} \therefore A_{\text{MAT}} &= 1750 - 450 \\ &= 1300 \text{ cm}^2 \end{aligned}$$

9.2 | Surface Area, Nets, and Volume of Prisms.

8.



Net:



$$SA = 2A + 2B + 2C$$

$$SA = 2(2.2)(5.2) + 2(1.4)(2.2) + 2(1.4)(5.2)$$

$$SA = 22.88 + 6.16 + 14.56$$

$$SA = 43.6 \text{ cm}^2$$

Homework: Finish 9.1 pg 458 9-end

9.2 pg 470 #7, 9
↑

- do not estimate

- do net and S.A.

