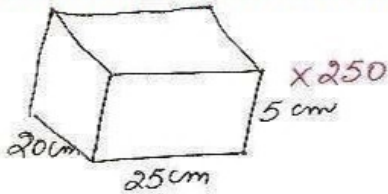
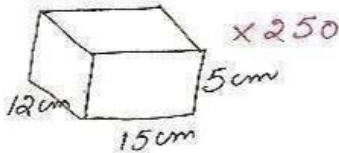


Ex 13.1

7



NCERT Solutions by Dev Anoop (Bathinda)



t.s.A of 500 boxes

$$= 2 \times 250 (25 \times 20 + 20 \times 5 + 5 \times 25) + 250 \times 2 (15 \times 12 + 12 \times 5 + 5 \times 15)$$

$$= 500 (500 + 100 + 125 + 180 + 60 + 75)$$

$$= 500 (1040)$$

$$= 520000 \text{ cm}^2$$

area of cardboard required

$$= 520000 + \frac{5}{100} \times 520000$$

$$= 520000 + 26000$$

$$= 546000 \text{ cm}^2$$

$$\text{cost of } 1000 \text{ cm}^2 = \text{Rs } 4$$

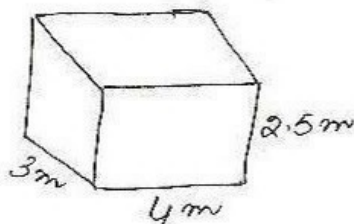
$$\text{cost of } 1 \text{ cm}^2 = \frac{4}{1000}$$

$$\text{Cost of } 506625 \text{ cm}^2 = \frac{4}{1000} \times 546000$$

$$= \text{Rs } 2184.00$$

NCERT Maths Solutions by Dev Anoop (Bathinda)

8



area of tarpaulin reqd. =  $2h(l+b) + lb$

$$= 2 \times 2.5(4+3) + 4 \times 3$$

$$= 5 \times 7 + 12$$

$$= 35 + 12$$

$$= 47 \text{ m}^2$$