

⑥ Perimeter of square = Perimeter of rectangle

$$2 \times 4 \text{ side} = 2(l+b)$$

$$\text{side} = \frac{40+22}{2}$$

$$= \frac{62}{2}$$

$$= 31 \text{ cm}$$

$$\text{area of square} = \text{side}^2$$

$$= 31^2$$

$$= 961 \text{ cm}^2$$

$$\text{area of rectangle} = lb$$

$$= 40 \times 22$$

$$= 880 \text{ cm}^2$$

\therefore area of square is greater by

$$= 961 - 880$$

$$= 81 \text{ cm}^2$$