

⑦ area of paths

$$= \text{ar}(\text{rect I}) + \text{ar}(\text{rect II}) - \text{ar}(\text{square III})$$

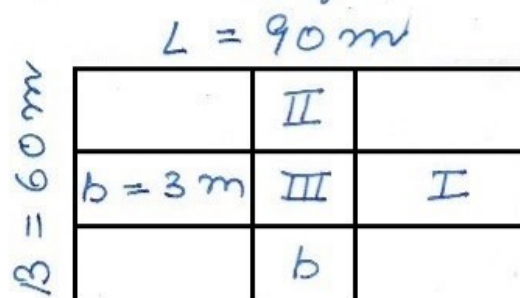
$$= Lb + Bb - b^2$$

$$= 90 \times 3 + 60 \times 3 - 3^2$$

$$= 3(90 + 60 - 3)$$

$$= 3 \times 147$$

$$= 441 \text{ m}^2$$



cost of construction = 441×10

= ₹ 4410.00

⑧ difference of lengths of chords

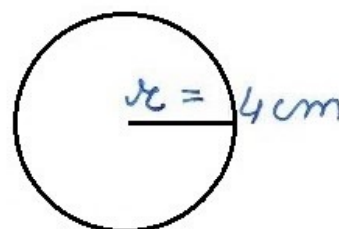
= circumference of \odot - Perimeter of square

$$= 2\pi r - 4s$$

$$= 2 \times 3.14 \times 4 - 4 \times 4$$

$$= 25.12 - 16$$

$$= 9.12 \text{ cm}$$



$s = 4 \text{ cm}$



yes, chord of length 9.12 cm is left