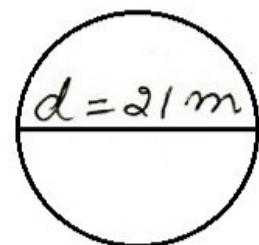


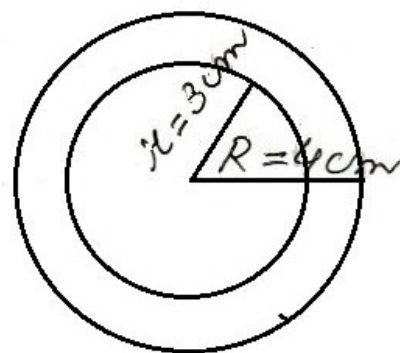
④ length of rope required for 2 rounds = $2 \cdot \text{Perimeter}$
 $= 2 \pi d$
 $= 2 \times \frac{22}{7} \times 21$
 $= 132 \text{ m}$



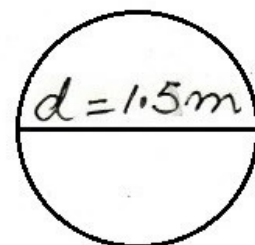
cost of rope = 132×4
 $= 528$

⑤ area of remaining sheet

= outer area - inner area
 $= \pi R^2 - \pi r^2$
 $= \pi (R^2 - r^2)$
 $= 3.14 (4^2 - 3^2)$
 $= 3.14 \times (16 - 9)$
 $= 3.14 \times 7$
 $= 21.98 \text{ cm}^2$



⑥ length of lace required = πd
 $= 3.14 \times 1.5$
 $= 4.71 \text{ m}$



cost of lace = 4.71×15
 $= \text{Rs } 70.65$