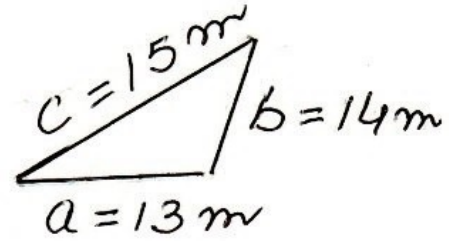


$$\begin{aligned}
 (2) \quad s &= \frac{a+b+c}{2} \\
 &= \frac{13+14+15}{2} \\
 &= \frac{42}{2} \\
 &= 21\text{m}
 \end{aligned}$$



$$\begin{aligned}
 \text{area of wall} &= \sqrt{s(s-a)(s-b)(s-c)} \\
 &= \sqrt{21(21-13)(21-14)(21-15)} \\
 &= \sqrt{3 \times 7 \times 8 \times 7 \times 6} \\
 &= 7 \sqrt{3 \times 2^2 \times 2 \times 2 \times 3} \\
 &= 7 \times 2 \times 2 \times 3 \\
 &= 84\text{m}^2
 \end{aligned}$$

Cost of adv. for 1 year = Rs 84 × 2000

Cost of adv. for 6 months

$$= \frac{84 \times \overset{1000}{\cancel{2000}} \times \cancel{6}}{\cancel{12}}$$

$$= \text{Rs } 84000$$