The sides of a rectangular park are in the ratio 4:3. If the area is 1728 m 2 . Find the cost of fencing it at Rs. $2.50 / \mathrm{m} 2$.

To solve this problem we need to know the perimeter value.
Let one side of park is $x$, then the other one is $\frac{3}{4} x$.

$$
\begin{gathered}
S=a \cdot b=x \cdot \frac{3}{4} x, \quad \frac{3}{4} x^{2}=1728, \quad x^{2}=\frac{1728 \cdot 4}{3}=2304, \\
x=\sqrt{2304}=48, \quad \frac{3}{4} x=36 . \\
P=2 a+2 b=2 \cdot 48+2 \cdot 36=168
\end{gathered}
$$

cost of fencing $=168 \cdot 2.5=420$.

