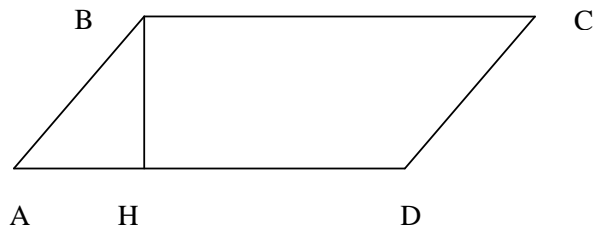


A field which is parallelogram in shape, has its base and altitude 450m and 376m respectively. Find the expenditure incurred on spraying insecticides on the field at the rate of Rs.2.50 per square metres.

Solution

Let's find area of parallelogram S_{ABCD}



$$S_{ABCD} = AD \cdot BH$$

$$AD = 450m$$

$$BH = 376m$$

Thus we have

$$S_{ABCD} = 450 \cdot 376 = 169200m^2$$

We have 169200 square metres.

The expenditure incurred on spraying insecticides on the field at the rate of Rs.2.50 per square metres.

Then we have $169200 \cdot 2.50 = 423000Rs$

Answer : Rs 423000