

Perimeter and Area

Topic: Area of Parallelogram

Name: Date:

There is a rectangular field of size 94 m x 32 m. Three roads each of 2 m width pass through the field such that two roads are parallel to the breadth of the field and the third is parallel to the length. Calculate:

1. Area of the field covered by the three roads m²2. Area of the field not covered by the roads. m²

The length and breadth of a rectangular park are in the ratio 5 : 2. A 2.5 m wide path running all around the outside the park has an area 305 m². Find its:

3. Length cm4. Breadth m5. The area of rhombus is 72 cm². If its perimeter is 32 cm, find its altitude. cm6. A field in the form of a parallelogram has base 15 dam and altitude 8 dam. Find the cost of watering the field at the rate of 50 paise per square metre. ₹ 7. The area of parallelogram is 338 m². If its altitude is twice the corresponding base, m determine the altitude.8. Find the area of a rhombus having each side equal to 13 cm and one of whose diagonals is 24 cm. cm²9. Find the area of rhombus having each side equal to 15 cm and one of whose diagonals is 24 cm. cm²10. The base and corresponding altitude of a parallelogram are 10 cm and 12 cm respectively. If the other altitude is 8 cm, find the length of the other pair of parallel sides. cm