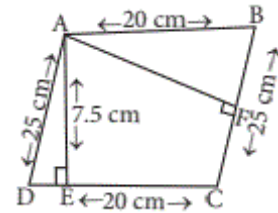# Area of a Parallelogram

1. The base of a parallelogram is twice its height. If the area of the parallelogram is 108 cm^2 . Find the height and base of the parallelogram.

2. ABCD is a parallelogram, AB = 20 cm, BC = 25 cm, AE ⊥CD, AF ⊥ BC and AE = 7.5 cm. Find the length of AF.

3. One side of a parallelogram is 28 cm and the corresponding altitude is 17 cm. If the height of the altitude to the adjacent side is 7 cm, find the length of the adjacent side.

4. An agriculture farm is in the form of a parallelogram with base 16 dam and altitude 7 dam. Find the cost of watering the field at the rate of 85 paise per m^2.

5. The altitude of a parallelogram is twice its corresponding base. If the area of the parallelogram is 672 m^2, find the base and the altitude.