

VII- Mathematics Assignment No-02- Perimeter And Area

- Q1. The total cost of flooring a room at £ 8.50 per square metre is £ 510. If the length of the room is 9 metres. Find its width.
- Q2. A rectangular metal plate is 7cm long and 5cm broad. Find the cost of the plate at the rate of £ 75 per square cm.
- Q3. The length and breadth of a playground are 62m 60cm and 25m 60cm. Find the cost of turfing it at £ 2.50 per square metre. How long will a man take to go three times round the field, if he walks at the rate of 2 metre per second.
- Q4. The length and breadth of a rectangular field are 360m and 150m respectively. Find its area in hectares as well as in acres.
- Q5. The area of a rectangular field is 5 hectares. If one of the sides of the field is 100m. Find the other side.

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- Q6. How many envelopes can be made out of a sheet of paper 324 cm by 172 cm. If each envelop requires a piece of paper of size 18 cm by 12 cm.
- Q7. Two plots of land have the same perimeter. One is a square of side 64 m and another one is rectangle of length 70 m. Which plot has the greater area and by how much?
- Q8. A room is 13 m long and 9 m broad. Find the area of carpeting the room with a carpet 75 cm broad at the rate of ₹ 7.50 per meter.
- Q9. What happens to the area of a square if its side is doubled?
- Q10. The area of a rectangular field is 24.03 acres and its length is 54 metres. Find its breadth and perimeter.

**ANSWERS:-**

(Q1) 7.5 m	(Q6) 258
(Q2) ₹ 2625-00	(Q7) Square plot, $36 \text{ m}^2$
(Q3) ₹ 3975.10, $\frac{4}{24} \text{ min}$ , $\frac{1}{24} \text{ sec}$	(Q8) ₹ 1170-00
(Q4) $A = 5.4 \text{ hectare}$ $= 540 \text{ acres}$	(Q9) 4 times
(Q5) 125 m	(Q10) Width = 44.5 m, $P = 197 \text{ m}$ .