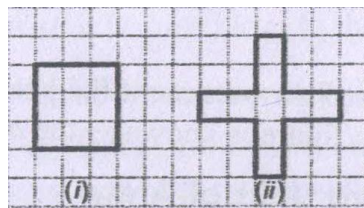


**Class: 6**  
**Subject: Mathematics**  
**Topic: Mensuration**  
**No. of Questions: 20**

- Q1. The perimeter of a rectangle is 100 cm. IF its length is 30 cm, find its breadth.
- Q2. Find the side of an equilateral triangle whose perimeter is given below:  
(a) 30 cm  
(b) 18 cm
- Q3. Rekha and Vandana go jogging every morning. Rekha goes round and round a 200 m square field. Vandana goes round and round a rectangular field with length 300 m and breadth 120 m. if they both take 4 rounds, who cover the greater.
- Q4. The lid of a rectangular box of sides 40 cm by 10 cm is sealed all round with tape. What is the length of the tape required?
- Q5. A rectangular piece of land measures 0.7 km by 0.5 km. Each side is to be fenced with 4 rows of wires. What is the length of the wire needed?
- Q6. The perimeter of a regular pentagon is 100 centimeters. How long is each side?
- Q7. Find the cost of fencing a square park of side 250 m at the rate of Rs. 20 per metre.
- Q8. Avneet buys 9 square paving slabs, each with a side of  $\frac{1}{2}$  m. He lays them in the forms of a square.



- (a) What is the perimeter of his arrangement [Fig.(i)]?

- (b) Shari does not like his arrangement. She gets him to lay them out like a cross. What is the perimeter of her arrangement[Fig(ii)]
- (c) Which has greater perimeter?
- (d) Avneet wonders, if there is a way of getting an even greater perimeter. Can you find a way of doing this? (the paving slabs must meet along complete edge:) they cannot be broken.)
- Q9. Find the area of carpet that fully covers a rectangular room whose length and breadth are 15 cm and 0.1 m respectively.
- Q10. A tile is a square of side 20 cm. How many such tiles would be required to cover the floor of a square bath-room of side 4 m.
- Q11. What happen to the area of a rectangle when
- Its length is double, the breadth remaining the same?
  - Its breadth is double, the length remaining the same?
  - Its length and breadth are both doubled.
- Q12. The perimeter of the rectangular field is 400m. Find the area of the field if its length is 160 m
- Q13. What is the cost of tiling a rectangular piece of land 500 m long and 200m wide at the rate of Rs. 8 per hundred sq m.
- Q14. A room is 4 m long and 3 m 50 wide. How many square metres of carpet is needed to cover the floor of the room?
- Q15. Five square flower beds each of sides 1 m are dug on a piece of land 5 m long and 4 m wide. What is the area of the remaining part of land?
- Q16. How many tiles with dimensions 5 cm and 12 cm will be needed to fit in a region whose length and breadth are, respectively :

- a. 100 cm and 144 cm
  - b. 70 cm and 36 cm.
- Q17. A table-top measures 2 m by 1 m 50 cm. What is its area in square metres?
- Q18. Find the side of the square whose perimeter is 20 m.
- Q19. Meera went to a park 150 m long and 80 m wide. She took one complete round of it. What is the distance covered by her?
- Q20. A farmer has a rectangle field of length and breadth 240 m and 180 m, respectively. He wants to fence it with 3 rounds of rope as shown in figure. What is the total length of rope he must use?

