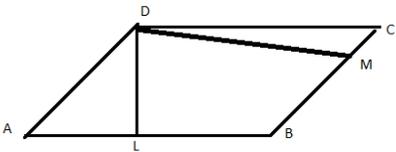


**Class: 7**  
**Subject: Mathematics**  
**Topic: Practical geometry - Construction**  
**No. of Questions: 25**

- Q1. Find the area of a  $\Delta$  whose base in 6 cm each equal side in 5 cm and height 4 cm.
- Q2. Find the area and perimeters of an equilateral triangle whose each side in 5 cm.
- Q3. Find the area of a rectangle whose length and breadth are 45 cm and 16 cm respectively also, find the perimeter of the rectangle.
- Q4. Find the area and perimeter of a rectangle whose length and breadth are 15.4 cm and 6.5 cm respectively
- Q5. Find the area of a rectangle which in 30 cm long and 25 cm broad.
- Q6. Find the area of a square whose each side in 2.5 cm also find the perimeter.
- Q7. The area of a rectangle in  $540 \text{ cm}^2$ . Its length in 27 cm. Find its width also its perimeter.
- Q8. The area of a rectangle in  $650 \text{ cm}^2$  and one of its side in 13 cm. Find the other side. Also find its perimeter.
- Q9. Find the cost of fencing a rectangular field 34 m long and 18 m wide at 2.50 per meter. What is the cost of cultivating the field at Rs 4.25 per square meter?
- Q10. A room is 9.68 m long and 6.2 m wide its floor is to be covered with rectangular tiles of size 22 cm by 10 cm. find the total cost of the tiles at the rate of Rs. 2.75 per tile.
- Q11. The total cost of flooring a room at Rs 8.50 per square meter is Rs 510. If the length of the room is 9 meters. Find its width.
- Q12. A rectangular metal plate is 7 cm long and 5 cm broad. Find the cost of the plate at the rate of Rs 75 per square cm.
- Q13. The length and breadth of a playground are 62 m 60 cm and 25 m 40 cm. find the cost of tiling it at Rs 2.50 per square meter. How long will a man take to go three times round the field, if he walks at the rate of 2 meter per second.

- Q14. The length and breadth of a rectangular field are 360 m and 150 m respectively. Find its area in hectares as well as in Ares.
- Q15. The area of a rectangular field is 5 hectares and one of the sides of the field is 40 cm. Find the other side.
- Q16. How many envelopes can be made out of a sheet of paper 324 cm by 172 cm if each envelope requires a piece of paper of size 18 cm by 12 cm
- Q17. Two plots of land have the same perimeters. One is a square of side 64 m and another one is a rectangle of length 70m. Which plot has the greater area and by how much?
- Q18. A room is 13m long and 9 m broad. Find the area of carpeting the room with a carpet 75 cm broad at the rate of Rs 7.50 per meter.
- Q19. What happens to the area of a square if its side is doubled
- Q20. The area of a rectangular field is 24.03 Ares and its length is 54 meters. Find its breadth and perimeter.
- Q21. Find the area of a parallelogram whose base = 8 cm and altitude = 5.6 cm
- Q22. In the adjoining figure, ABCD is a parallelogram  $DL \perp AB$ ,  $DM \perp BC$  of  $AB = 18$  cm,  $BC = 12$  cm and  $DM = 6$  cm Find  $DL$



- Q23. A field is in the shape of a parallelogram with base 260 cm and the corresponding height is 130 cm. Find the cost of cultivating it at the rate of 75 paise per area.
- Q24. Find the side of the parallelogram whose area is 392 square meters and the corresponding altitude is 24.5 meters.
- Q25. The area of a rhombus is  $85 \text{ m}^2$  and its perimeter is 34 m. Find its altitude.