

Grade 6 Mensuration Worksheets

Grade 6 Maths Mensuration Multiple Choice Questions (MCQs)

1. The length and breadth of a rectangle are 40 cm and 10 cm respectively.

Its perimeter is:

- (a) 100 cm
- (b) 120 cm
- (c) 140 cm
- (d) none of these

2. The side of a square is 8 cm. Its area is:

- (a) 64 cm²
- (b) 84 cm²
- (c) 100 cm²
- (d) none of these

3. The area of a rectangle is 40 cm². If its breadth is 4 cm, then its length is:

- (a) 20 cm
- (b) 30 cm
- (c) 10 cm
- (d) none of these

4. The area of square is 100 cm². Its side is:

- (a) 20 cm
- (b) 30 cm
- (c) 10 cm
- (d) none of these

5. The side of a square is 12 m. Its perimeter is:

- (a) 36 m
- (b) 40 m
- (c) 42 m
- (d) none of these

6. If the area of a square is 2.25 m², then its perimeter is:

- (a) 7 m
- (b) 5 m
- (c) 6 m
- (d) none of these

7. The side of a square is 8 cm. If its side is doubled, then its new perimeter is:

- (a) 64 cm

- (b) 81 cm
- (c) 121 cm
- (d) none of these

8. **The length and breadth of a rectangle are 10 cm and 8 cm respectively. If its length is doubled, then its new area is:**

- (a) 80 cm²
- (b) 160 cm²
- (c) 240 cm²
- (d) none of these

9. **The amount of surface enclosed by a closed figure is called its:**

- (a) perimeter
- (b) area
- (c) flat surface
- (d) interior region

10. **What is the perimeter of a regular pentagon whose each side measuring 5 cm?**

- (a) 10 cm
- (b) 20 cm
- (c) 15 cm
- (d) 25 cm

11. **What will be the cost of tiling a rectangular plot of area 800 sq.m, if the cost of tiling 100 sq.m is ₹ 6**

- (a) ₹ 14
- (b) ₹ 48
- (c) ₹ 4800
- (d) ₹ 900

12. **What is the length of the garden if area of rectangular garden of width 60 m is 300 sq.m?**

- (a) 900 m
- (b) 90 m
- (c) 18 m
- (d) 5 m

13. **The perimeter of a triangle whose sides are 5 cm, 2 cm and 3 cm.**

- (a) 30 cm
- (b) 11 cm
- (c) 17 cm
- (d) 10 cm

14. **What is the length of side of square whose area is 64 m²?**

- (a) 16 m
- (b) 32 m
- (c) 8 m
- (d) 64 m

15. The perimeter of an isosceles triangle with equal sides of length 4 cm and third side of length 6 cm will be:

- (a) 10 cm
- (b) 8 cm
- (c) 20 cm
- (d) 14 cm

16. The perimeter of a rectangle is 130 m. If the breadth of the rectangle is 30 m, find its area.

- (a) 640 m^2
- (b) 600 m^2
- (c) 700 m^2
- (d) none of these

17. The sides of a rectangle are in the ratio 5 : 4. If its perimeter is 72 cm then the length is:

- (a) 20 cm
- (b) 30 cm
- (c) 40 cm
- (d) none of these

18. The cost of putting a fence around a square field at ₹ 2.50 per metre is ₹ 200. The length of each side of the field is:

- (a) 40 m
- (b) 20 m
- (c) 80 m
- (d) none of these

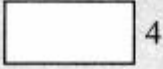
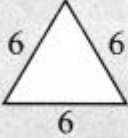
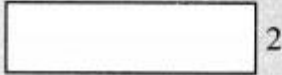
19. The area of a rectangle is 650 cm^2 and one of its sides is 13 cm. Find the perimeter of the rectangle.

- (a) 120 cm
- (b) 130 cm
- (c) 126 cm
- (d) none of these

20. A room is 5m 40cm long and 3m 75cm wide. Find the area of the carpet needed to cover the floor.

- (a) 20 m^2
- (b) 20.25 m^2
- (c) 21 m^2
- (d) none of these

Class 6 Maths Mensuration Match the following

Sr.No.	Shapes	Perimeter
1	 8 rectangle	10
2	 5 square	18
3	 6 equilateral triangle	20
4	 4 isosceles triangle	16
5	 6 rectangle	24

Class 6 Maths Mensuration Very Short Answer Type Questions

- Find the perimeter of equilateral triangle whose each side is 7cm.
- Find the length of a rectangle whose perimeter is 52 cm and breadth is 12 cm.
- A rectangular carpet measures 3m 45cm by 2m 25cm . What is perimeter of the carpet?
- Leena bent a wire 132cm long into a square. What is the length of the side of a square?
- Find the perimeter of a triangle whose sides are 5cm, 7cm and 10cm.
- Find the perimeter of a regular pentagon with each side measuring 7cm.

Class 6 Maths Mensuration Short Answer Type Questions

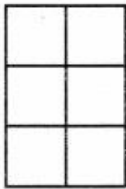
- Find the cost of fencing a rectangular park of length 450m and breadth 300m at the rate of ₹ 32 per meter.

2. How much distance does a jooger cover if he runs 5 times around a rectangular Park 76m long and 35m wide?
3. A rope costing ₹ 8 per meter needs to be laid around a square field of side 150m. How much will the total rope cost?
4. Sweety runs around a square park of side 75m. Bulbul runs around a rectangular park with length 60m and breadth 45m. Who covers less distance?

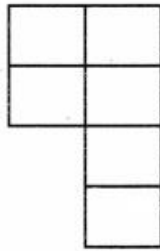
Class 6 Maths Mensuration Long Answer Type Questions

1. How much would it cost to lay a wall to wall carpet in a room 10m long and 7m wide, with a carpet that costs ₹ 115 per m².
2. How many tiles of 10cm by 6cm will be needed to pave a rectangular path of 5m by 3m?
3. Following figures are formed by joining six unit squares. Which figure has the smallest perimeter?

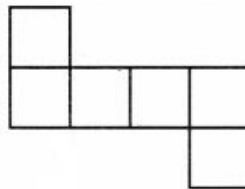
(i)



(ii)



(iii)



(iv)

