

# Mathematics

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(Chapter - 10) (Mensuration) (Practice Test 6)  
(Class VI)

Time: 1 Hour 15 Minutes

M. M: 25

## General Instructions:

- This question paper contains four sections: A, B, C and D. Each part is compulsory.
- Section A has 5 MCQ of one mark each.
- Section B has 3 questions of two marks each.
- Section C has 3 questions of three marks each.
- Section D has 2 questions of five marks each, attempt any 1 out of 2.
- There is no negative marking.

### Section - A

1. 80 students of the same height stand with both hands stretched all along the sides of a rectangular garden, each of the student covering a length of 1.75 m. What is the perimeter of the garden?

(A) 1400 m            (B) 140 m            (C) 14 m            (D) 1400 km

2. Perimeter of a rectangle of length 7.5 cm and breadth 3 cm is

(A) 20 cm            (B) 21 cm            (C) 22 cm            (D) none of these

3. Square is a rectangle whose:

(A) All sides are equal            (B) two sides are equal  
(C) three sides are equal            (D) none of these

4. The sides of a square is 12 m. Its perimeter is

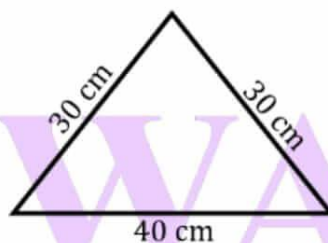
(A) 36 m            (B) 24 m            (C) 48 m            (D) 144 m

5. Area of square in  $\text{cm}^2$  if its side is 1 m is:

(A)  $10000 \text{ cm}^2$             (B)  $100 \text{ cm}^2$             (C)  $1000 \text{ cm}^2$             (D) none of these

### Section - B

6. The perimeter of the given figure is



7. The side of a square is 10 cm. How many times will the new perimeter become if the side of the square is doubled.

8. Find the side of the square whose perimeter is 20 m.

### Section - C

9. The length of an aluminum strip is 40 cm. if the length in cm are measured natural numbers, write the measurement of all possible rectangular frames, which can be made out of it.

10. Base of tent is regular hexagon of perimeter 60 cm. What is the length of each side of the base?

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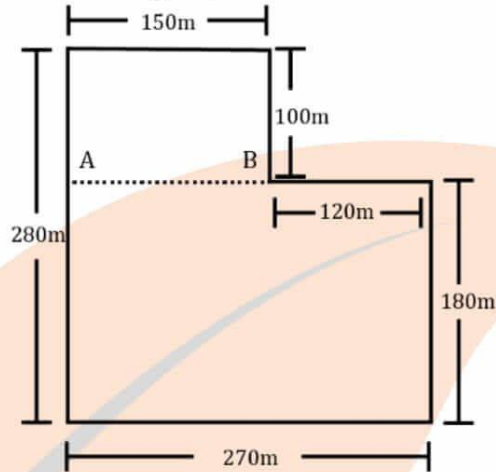
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11. Total cost of fencing the park shown in figure, is ₹55000. Find the cost of fencing per metre.



## Section - D

12. In an examination hall, there are 24 display boards each of length 1 m 50 cm and breadth 1 m. there is a 100 m long aluminum strip, which is used to frame these boards. How many boards will be framed using this strip? Find also the length of the aluminum strip required for the remaining boards.

13. In the above question, how many square metres of cloth is required to cover all the display boards? What will be the length in m of the cloth used, if its breadth is 120 cm?



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Answers

## Section - A

- 140 m
- 21 cm
- All sides are equal
- 48 m
- 10000 cm<sup>2</sup>

## Section - B

- Perimeter = 100 cm
- 2 times
- Perimeter of square = 4 × side  
Side = 5m

## Section-C

9.  $2(l + b) = 20$   
 $l + b = 10$

10. Length of each side of hexagon =  $\frac{60}{6} = 10$  cm

11. Cost of Fencing per metre =  $\frac{\text{Cost of fencing}}{\text{Perimeter}} = ₹50$

## Section - D

12. Perimeter of one display board =  $2(l + b) = 5$ m  
Number of boards remained unframed = 4  
Length of strip will be required for remaining boards = 20 m

13. Length of display board = 1.5 m  
Area of 24 display boards =  $24(l \times b) = 36$  sq. m

Length of cloth =  $\frac{36}{1.2} = 30$  m

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