



MATHS

BOOKS - NAVNEET PUBLICATION

PERIMETER AND AREA

Question Bank

1. If the length and breadth of a rectangle is doubled, how many times will the perimeter of

the new rectangle be that of original rectangle

?



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2. IF the side of a square is tripled, how many times its perimeter will be that of the original square.

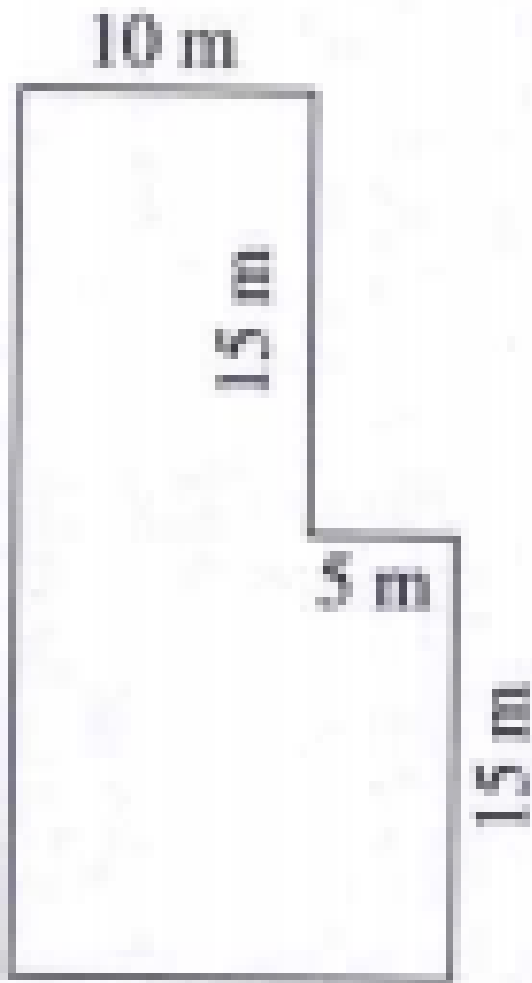


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3. The figure of a playground is given

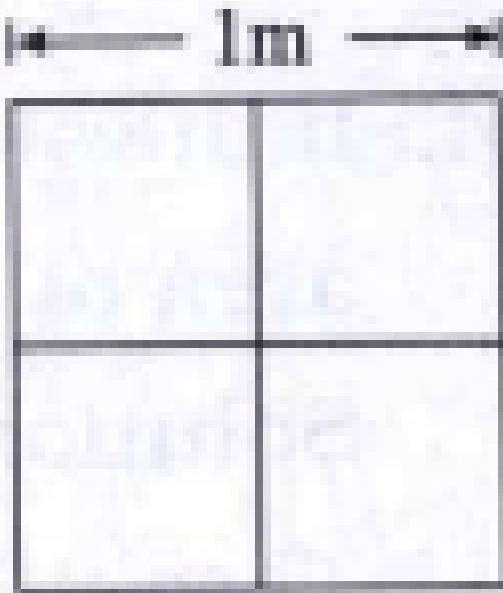
The length of the sides are given.

Find the perimeter of the playground.



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4. As shown in the figure, four napkins all of the same size were made from a square piece of length 1 m. what length of lace will be required to trim all four sides of all the napkins?



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5. Find the area of a square having side 12 cm.



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6. The length of a rectangle is 15 cm and breadth is 5 cm. Find its area.



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7. The area of a rectangle is 102 cm^2 . If its length is 17 cm, what is its perimeter.



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8. IF the side of a square is tripled, how many times its perimeter will its area be as compared to the area of the original square ?



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9. The length and breadth of the page of a calendar is 45 cm and 26 cm respectively. What is its area ?



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10. What is the area of the triangle with base 4.8 cm and height 3.6 cm ?



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11. The length and breadth of a rectangular plot of land is 75.5 m and 30.5 respectively. What is the cost of the plot at the rate of \$ 1000 per square metre ?



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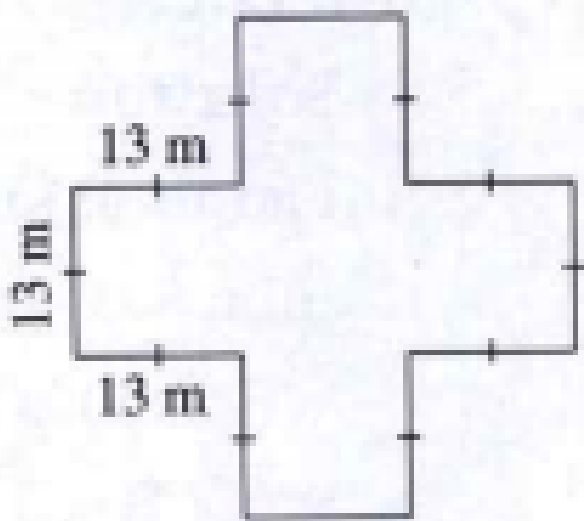
12. A rectangular hall is 12 m long and 6 m broad. It's flooring is to be made of square tiles of side 30 cm. How many tiles will fit in

the entire hall? How many would be required if tiles of side 15 cm were used ?



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13. From the information given in the figure, find the perimeter and the area of the garden.





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14. Find the total surface area of cubes having the following sides.

3 cm



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15. Find the total surface area of cubes having the following sides.

5 cm



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16. Find the total surface area of cubes having the following sides.

7.2 cm



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17. Find the total surface area of cubes having the following sides.

6.8 m



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18. Find the total surface area of cubes having the following sides.

5.5 m



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19. Find the total surface area of cuboids of length, breadth and height as given below :

12cm, 10cm, 5cm



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20. Find the total surface area of cuboids of length, breadth and height as given below :

5cm, 3.5cm, 1.4cm



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21. Find the total surface area of cuboids of length, breadth and height as given below : 2.5

m, 2 m, 2.4 m



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22. Find the total surface area of cuboids of length, breadth and height as given below : 2.5 m, 2 m, 2.4 m



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23. A matchbox is 4 cm long, 2.5 cm broad and 1.5 cm in height. Its outer sides are to be pasted with craft paper. How much paper will be required to do so ?



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24. An open box of length 1.5m, breadth 1m, and height 1m is to be made for use on a trolley for carrying garden waste. How much metal sheet will be required to make this box? The inside and outside surfaces of the box are to be painted with rust proof paint. What will be the cost to paint the box at the rate of \$ 150 per square metre?



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25. What is the formula for the perimeter of a rectangle? If the sum of the length and breadth is 25 cm, what is its perimeter ?



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26. What is the formula for the perimeter of a square ? What is the perimeter of a square with side 5 cm ?



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27. What is the area of a square with side 10 cm ?



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28. The area of a rectangle with length 10 cm is 60 cm^2 . What is breadth ?



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29. What is the total surface area of a cube with side 1 m ?



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30. The product of the lengths of the sides forming a right angle of a right angled triangle is 50 cm^2 . What is the area of this triangle ?



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