

MATHS

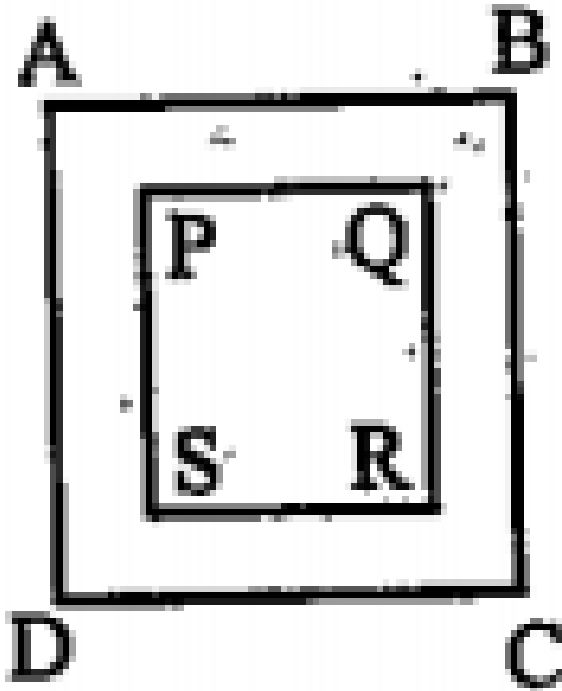
BOOKS - JNAN PUBLICATION

AREA OF RECTANGLES AND SQUARES

Example

1. The area of a square park PQRS is 2500 sq. m. and a path of 6m. wide runs all around out

side the park. Let's find the area of this path.



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2. Let's calculate mentally and write.

Let's calculate the perimeter of a square of

side 4 cm.



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3. Let's calculate mentally and write.

Let's calculate the area of a square whose perimeter is 20 cm.



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4. Let's calculate mentally and write.

If the area of a square is 4 sq. cm. then length

of its sides iscm.



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5. Let's calculate mentally and write.

Let us assume a rectangle whose area is 30sq.cm . Let us find what are its possible lengths and breadths. Again if the area of a rectangle is 40 sq.cm .



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6. Let's calculate mentally and write.

Mihir made a square cardboard whose one side is 5 cm. Let's find the area of card.



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7. Let's calculate mentally and write.

The area of a 5m. square is...sq.m.



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8. The length and breadth of a page of my exercise book is 15 cm. and 12 cm. respectively. A margin of width 2 cm. is drawn on all sides and wrote inside the margin. Let's also draw a rough sketch for the problem. Let's find the area of the portion on which I wrote. Let's also find the area of the portion on which I have not written.



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9. Rajesh has a rectangular plot of land, of length 36 m. and breadth 24m. There is a path 2m. wide running all around the plot outside. Let us draw a rough sketch of the Problem and calculate the following.

Length and breadth of the plot of land including the path



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10. Rajesh has a rectangular plot of land, of length 36 m. and breadth 24m. There is a path 2m. wide running all around the plot outside. Let us draw a rough sketch of the Problem and calculate the following.

The area of the plot of land without the path



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11. Rajesh has a rectangular plot of land, of length 36 m. and breadth 24m. There is a path

2m. wide running all around the plot outside.

Let us draw a rough sketch of the Problem and calculate the following.

Area of the path.



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12. Maria's family has a square plot of land of side 20m. A path 1m wide runs all around it from out side. Let's find the area of the path.



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13. The area of a square piece of land is 6400 sq.m. Let's find the cost of fencing all around the land at Rs. 3.50 per meter.



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14. The length of Karim uncle's plot of lands is twice its breadth and its area is 578 sq.m. Let us find the length, breadth and perimeter of Karim Uncle's land.



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15. The length of rectangular stage of a theatre is twice its breadth. It costs Rs. 6048 to cover the whole stage with tarpaulin. If one sq.m. of tarpaulin costs Rs. 21. Let's find the length and breadth of the stage.



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16. The cost of cultivation of a 30 m long piece of land is Rs. 150. Had the breadth of the land been 5m. Less, the cost would have

been Rs. 120. Let's calculate the breadth of the land.



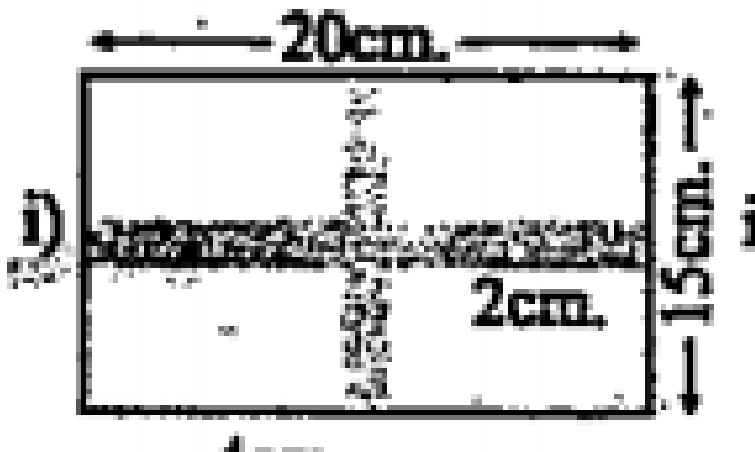
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17. The length and breadth of a rectangular hall is 30 m. and 18 m respectively. Let's find how many square tiles of side 3 dcm. will be required for floor of the hall.



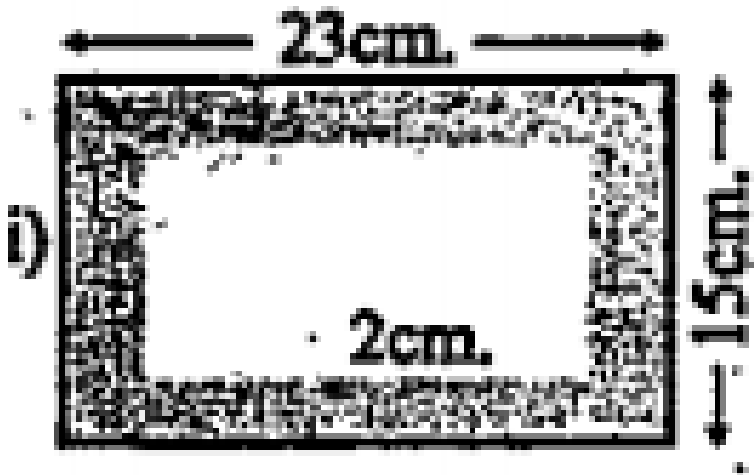
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18. In the figures given below, let us find the areas of the coloured portion.



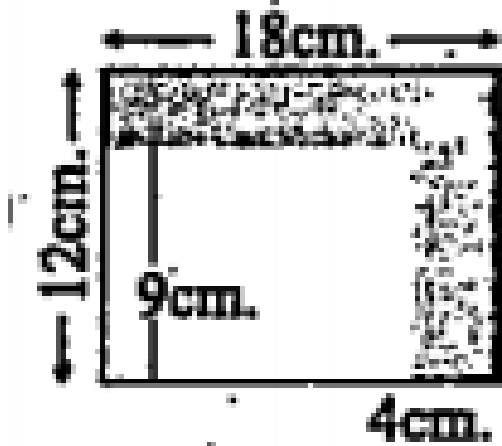
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19. In the figures given below, let us find the areas of the coloured portion.



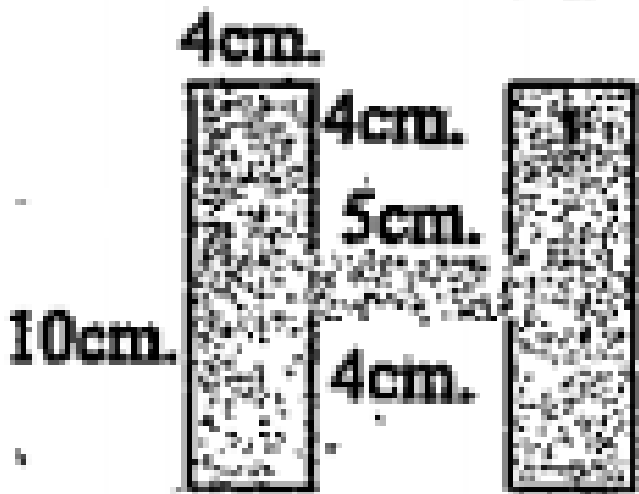
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20. In the figures given below, let us find the areas of the coloured portion.



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21. In the figures given below, let us find the areas of the coloured portion.



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22. Our local cub room is square in shape of side 15m long and 5m high. There are 4 doors in the club room each 1.5m. wide and 2m. high.

Let's calculate the cost of oil painting its 4 walls without doors at Rs. 350 per sq.m.



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