



MATHS

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AREA OF CURVILINEAR FIGURES

Question Bank

1. Find the area of curvilinear figure whose ordinates measure 18, 22, 26, 24, 20, 26, 30, 34,

28, 24,14m and whose ordinates are at a distance of 14.6 from each other.



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2. Find the area of the curve $y = x^2$ between the values $x=1$ and $x=7$.



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3. Calculated the total area of a field with a base of 48m length and ordinates of

2,7,5,7.5,8.5,6.5,6.5,3,5.5,8,11.5,10.5 and 9

respectively .



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4. Find the area of an irregular plane figure whose ordinates are 20,23,28,32,34,37 and 40m respectively and the width of each strip is 7m.



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5. Find the area of an irregular plane figure whose ordinates are 7.75,10,70,11.20,9.70,7.75,6.80,6.30,6.80 and .00 respectively and the width of each strip is 8.25m.



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6. Calculated the total area of a field with a base of 60m and ordinates of 2,4,6,7,10,12,8,5,10 respectively .





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7. Following ordinates of equal intervals are down in a plot of base 1200 meters. Find the area 50,60,80,90,30,50,60,80,70,90,100,120,130.



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8. Sketch the graph of the function $y = 6x - x^2$. Determined the total area in the first quadrant between the curve and the y-axis.



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9. An irregular figure has ordinates 3.5, 4.75, 5, 5.25, 7.5, 8.25, 14.75, 6, 9.5, 4 cm respectively. Length of the base of irregular figure is 20 cm find the area.



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