







Mensuration Formulas for SSC and Banking in PDF - Part 1

Mensuration is an important topic for Competitive Exam like SSC CGL, IBPS PO, SBI PO, IBPS Clerk, SBI Clerk, RBI Exams, Railway Exams, LIC AAO, Campus Placement, MBA exams like CAT etc. Since the topic of mensuration revolves around some limited concepts, it becomes very easy to solve these problems if you remember some basic formulas. Hence, we have compiled some important Mensuration Formulas for SSC and Banking in PDF. You can easily print it and affix it in your study room. Just give it a glance when you are solving mensuration problems and you will automatically remember it.

In this sheet of Mensuration Formulas in PDF, we will take different figures and mention all the important formulas related to it. This way you won't get confused. We are also including diagrams so that you can create a mental picture of it and remember it well.

What follows is the part 1 of these Mensuration Formulas for SSC and Banking. Part 1 deals largely with 2D formulas. You can also download Part 2 from the link given below.

Mensuration Formulas for SSC and Banking in PDF - Part 2

Mensuration Formulas for 2D Figures

1. Mensuration Formulas for RECTANGLE



- Area of Rectangle = Length Breadth.
- Perimeter of a Rectangle = 2 **(**Length + Breadth)
- Length of the Diagonal = $\sqrt{(\text{Length}^2 + \text{Breadth}^2)}$

2. Mensuration Formulas for SQUARE









- Area of a Square = Length **x**Length = (Length) ²
- Perimeter of a square = 4 **X**ength
- Length of the Diagonal = $\sqrt{2}$ & Length

3. Mensuration Formulas for PARALLELOGRAM



- Area of a Parallelogram = Length XHeight
- Perimeter of a Parallelogram = 2 **X**Length + Breadth)

4. Mensuration Formulas for TRIANGLE













• Area of a triangle = $\frac{1}{2}$ (Base × Height) = $\frac{1}{2}$ (BC × AD)



- For a triangle with sides measuring a, b and c, respectively:
 - \circ Perimeter = a + b + c
 - \circ s = semi perimeter = $\frac{perimeter}{2} = \frac{a+b+c}{2}$
 - Area of Triangle, $A = \sqrt{s(s-a)(s-b)(s-c)}$ (This is also known as "Heron's formula")



• Area of isosceles triangle = $\frac{b}{4}\sqrt{4a^2 - b^2}$ (Where a = length of two equal side, b = length of base of isosceles triangle.)







• Area of an equilateral triangle $=\frac{\sqrt{3}}{4} \times a^2$ (Where, a is the side of an equilateral triangle)

5. Mensuration Formulas for TRAPEZIUM



- Area of a trapezium $=\frac{1}{2} \times \text{sum of parallel sides} \times \text{distance between parallel sides}$ $=\frac{1}{2} \times (AB + DC) \times AE$
- Perimeter of a Trapezium = Sum of All Sides

6. Mensuration Formulas for RHOMBUS



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• Area of a rhombus $=\frac{1}{2} \times$ Product of diagonals



 Perimeter of a rhombus = 4 x (where l = length of a side)

7. Mensuration Formulas for CIRCLE and SEMICIRCLE

FASTEST WAY TO PREPARE CURRENT AFFAIRS

d=2r

In the following formulae, r = radius and d = diameter of the circle

- Area of a circle = $\pi r^2 = \frac{\pi d^2}{4}$
- Circumference of a circle = $2\pi r = \pi d$
- Circumference of a semicircle = πr
- Area of semicircle $=\frac{\pi r^2}{2}$









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