

1. ****Area of a Square****

Write a program that takes the side length of a square as input and prints its area.

2. ****Area of a Rectangle****

Input width and height. Calculate the area.

3. ****Area of a Circle****

Input radius. Use $\pi = 3.14$ to find the area.

4. ****Area of a Triangle (Base \times Height)****

Input base and height; find the area.

5. ****Area of a Parallelogram****

Input base and vertical height.

6. ****Area of a Rhombus****

Input diagonals d1 and d2.

7. ****Area of a Trapezium****

Input parallel sides a, b and height h.

8. ****Area of a Isosceles Triangle****

Input equal sides and base; use suitable formula.

9. ****Area of a Right-angled Triangle****

Input perpendicular and base.

10. ****Area of a Circle (User chooses π)****

Ask user: "Enter π as 3.14 or 22/7", then compute.

11. ****Menu-Driven Area Calculator****

Show menu of shapes; compute area based on user choice.

12. ****Area of Circle with Math Library****

Use ``math.pi`` instead of constant 3.14.

13. ****Calculate Cost Based on Area****

A painter charges ₹10 per sq.ft; find total cost for a rectangular wall.

14. ****Garden Plot Area****

A rectangular garden has a circular fountain cut out in the center. Find the remaining area.

15. ****Room Flooring Calculator****

Given room dimensions and tile area, find number of tiles needed.

16. ****Area of Polygon (User enters number of sides & side length)****

Use formula for regular polygon.

17. ****Land Area Converter****

Input land dimensions in meters; output area in sq.m, sq.ft, and acres.

21. ****Area of Sector of a Circle****

Input radius and angle (in degrees or radians).

22. ****Paint Area Calculator****

Calculate wall area excluding windows and doors.

23. ****Area of Oval (Ellipse)****

Input two radii a and b; area = πab .

24. ****Area of a Kite****

Use diagonal-based formula.

25. ****Area of Triangle using Heron's Formula****

Input 3 sides and compute area.

=====

1. ****Celsius to Fahrenheit Converter****

Input temperature in °C and convert to °F.

2. ****Kilometers to Meters & Centimeters****

Input distance in km; display meters and centimeters.

3. ****Minutes to Hours****

Input total minutes; convert into hours and remaining minutes.

4. ****Grams to Kilograms****

Convert given weight in grams to kilograms.

5. ****Meters to Feet****

Convert given length in meters to feet.

6. ****Liters to Milliliters****

Convert liquid quantity from L to mL.

7. **Fahrenheit to Kelvin**

Convert using formula $K = (F - 32) \times 5/9 + 273.15$.

8. **Rupees to Paise**

Convert rupees to paise.

9. **Days to Weeks and Days**

Input number of days; convert to weeks + extra days.

10. **Simple Speed Conversion**

Convert speed from km/h to m/s.

=====

=====