Formulas

Area of 2D Shapes

S.N.	2D shape	Area
1.	Rectangle	$l \times b$
2.	Square	$a \times a = a^2$
3.	Parallelogram	$b \times h$
4.	Rhombus	$b \times h$ or $\frac{1}{2} \times d_1 \times d_2$
5.	Trapezium	$\frac{1}{2}(a + b) \times h$
6.	Triangle	$\frac{1}{2} \times b \times h$
7.	Isosceles triangle	$\frac{b\sqrt{4a^2 - b^2}}{4}$
8.	Equilateral triangle	$\frac{\sqrt{3}a^2}{4}$
9.	Circle	πr^2

Formulas

Perimeter of 2D Shapes

S.N.	2D shape	Perimeter
1.	Rectangle	$2(l + b)$
2.	Square	$4a$
3.	Parallelogram	$2(a + b)$
4.	Rhombus	$4a$ or $2\sqrt{d_1^2 + d_2^2}$
5.	Trapezium	$a + b + c + d$
6.	Triangle	$a + b + c$
7.	Isosceles triangle	$2a + b$
8.	Equilateral triangle	$3a$
9.	Circle	$Circumference = 2\pi r$