

Mensuration I अक्षांश 1

Figure	Area	Perimeter
Rectangle	$l \times b$	$2(l + b)$
Square	a^2	$4a$
Triangle	$\frac{1}{2} \times b \times h$	$a + b + c$
Circle	πr^2	$2\pi r$
Parallelogram	$b \times h$	$2(a + b)$
Trapezium	$\frac{1}{2} \times (a + b) \times h$	$a + b + c + d$
Rhombus	$\frac{1}{2} \times d_1 \times d_2$	$4a$
Ellipse	$\pi a b$	$2\pi a$
Circle Sector	$\frac{\theta}{360} \times \pi r^2$	$2r \sin \frac{\theta}{2}$
Circle Segment	$\frac{\theta}{360} \times \pi r^2 - \frac{1}{2} \times r^2 \sin \theta$	$r(\theta - \sin \theta)$
Circle Segment	$\frac{\theta}{360} \times \pi r^2 + \frac{1}{2} \times r^2 \sin \theta$	$r(\theta + \sin \theta)$
Circle Sector	$\frac{\theta}{360} \times \pi r^2$	$2r \sin \frac{\theta}{2}$
Circle Segment	$\frac{\theta}{360} \times \pi r^2 - \frac{1}{2} \times r^2 \sin \theta$	$r(\theta - \sin \theta)$
Circle Segment	$\frac{\theta}{360} \times \pi r^2 + \frac{1}{2} \times r^2 \sin \theta$	$r(\theta + \sin \theta)$

SHAPES AND FIGURES

Triangle: Equilateral, Isosceles, Right, Scalene, Obtuse, Acute

Quadrilateral: Square, Rectangle, Parallelogram, Trapezium, Rhombus, Kite, Arrowhead, Concave

Polygon: Regular, Irregular

Circle: Sector, Segment, Chord, Arc, Radius, Diameter, Circumference

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Probability

Tree Diagram Showing Probability of an Event

Event	Probability
A	$\frac{1}{2}$
B	$\frac{1}{2}$
C	$\frac{1}{2}$
D	$\frac{1}{2}$

Geometric Shapes and Properties

