

Area of Square = Side $\times$ Side

Perimeter of Square = $4 \times$ Side

Area of rectangle = $l \times b$

Perimet of rectangle = $2(l+b)$

Area of circle = πr^2

circumference of circle = $2\pi r, \pi d$

Area of semi-circle = $\frac{\pi r^2}{2}$

Perimet of semi-circle = $\pi r + d$

volume of cube = l^3

volume of cuboid = $l \times b \times h$

volume of cylinder = $\pi r^2 h$

To. surface area of cube = $6 \times \text{Side}^2$

To. surface area of cuboid = $2(lb + bh + hl)$

surface area of cylinder = $2\pi r(r+h)$

Lateral surface area of cube = $4 \times \text{Side}^2$

Lateral surface area of cuboid = $2h(l+b)$

Lateral surface area of cylinder = $2\pi rh$

Lateral surface area + roof of cuboid
= $2h(l+b) + lb$

Area of parallelogram = Base $\times$ Height

Area of rhombus = $\frac{1}{2} \times d_1 \times d_2$

Area of quadrilateral = $\frac{1}{2} \times d(h_1 + h_2)$

Area of trapezium = $\frac{1}{2} \times h(a+b)$

$(a+b)^2 = a^2 + 2ab + b^2$

$(a-b)^2 = a^2 - 2ab + b^2$

$a^2 - b^2 = (a-b)(a+b)$