

Formulas para calculos de figuras geometricas

CÍRCULO

$$\text{Área} = \frac{\pi \times D^2}{4}$$

Onde: $\pi = 3,1416$
D = diâmetro

ESFERA

$$\text{Área} = \pi \times D^2$$

Onde: $\pi = 3,1416$
D = diâmetro



QUADRADO

$$\text{Área} = L \times L$$

Onde: L = lado



RETÂNGULO

$$\text{Área} = L \times l$$

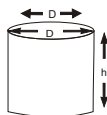
Onde: L = lado
l = largura



TRIÂNGULO

$$\text{Área} = \frac{h \times b}{2}$$

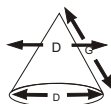
Onde: h = altura
b = base



CILINDRO

$$\begin{aligned} \text{Área sem o fundo} &= \pi \times D \times h + \frac{\pi \times D^2}{4} \\ \text{Área do costado} &= \pi \times D \times h \\ \text{Área total} &= \pi \times D \times h + 2 \times \frac{\pi \times D^2}{4} \end{aligned}$$

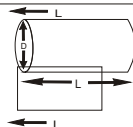
Onde: $\pi = 3,1416$
D = diâmetro
h = altura



CONE

$$\begin{aligned} \text{Área sem o fundo} &= \frac{\pi \times D \times G}{2} \\ \text{Área total} &= \frac{\pi \times D \times G}{2} + \frac{\pi \times D^2}{4} \end{aligned}$$

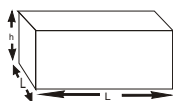
Onde: $\pi = 3,1416$
G = altura
D = diâmetro



TUBO

$$\text{Área} = \pi \times D \times L$$

Onde: $\pi = 3,1416$
D = diâmetro
L = comprimento
Área externa ou interna



**PARALELEPÍPEDO
RETANGULAR**

$$\text{Área} = \text{sem o fundo} = 2 \times (L \times h + h \times l) + L \times l$$

$$\text{Área total} = 2 \times (L \times h + L \times l + h \times l)$$

Onde: h = altura
L = comprimento
l = largura