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Important Formulas of Hollow Cuboid

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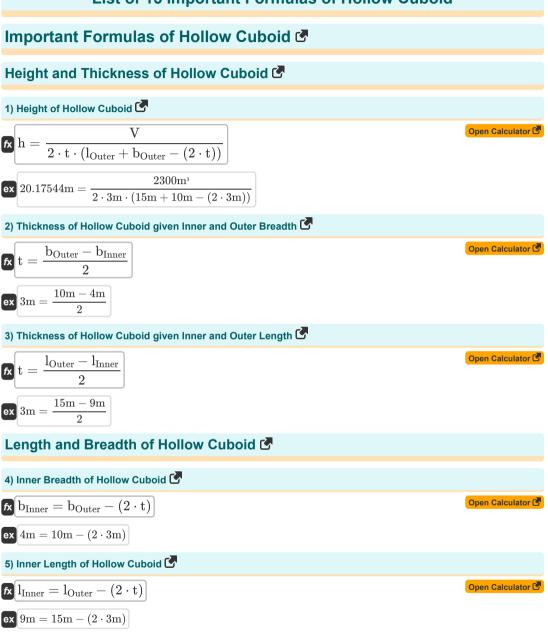
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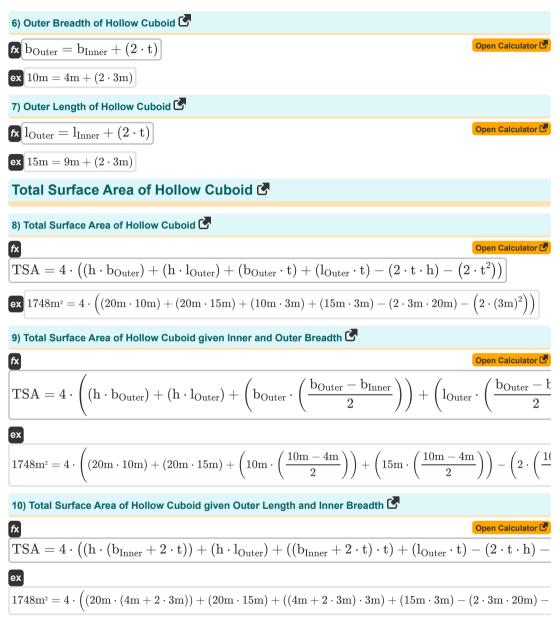


List of 15 Important Formulas of Hollow Cuboid









()



(i) Notice First of Holdow Cuboid given Volume 2
(i) TSA = 4 ·
$$\left(\left(\frac{V}{2 \cdot t \cdot (l_{Outer} + b_{Outer} - (2 \cdot t))} \cdot l_{Outer}\right) + \left(\frac{V}{2 \cdot t \cdot (l_{Outer} + b_{Outer} - (2 \cdot t))} \cdot l_{Outer}\right) + \left(\frac{2300m^3}{2 \cdot 3m \cdot (15m + 10m - (2 \cdot 3m))} \cdot 15m\right) + \left(\frac{2300m^3}{2 \cdot 3m \cdot (15m + 10m - (2 \cdot 3m))} \cdot 10m\right) + \frac{1}{2 \cdot 3m \cdot (15m + 10m - (2 \cdot 3m))} \cdot 10m\right) + \frac{1}{2 \cdot 3m \cdot (15m + 10m - (2 \cdot 3m))} \cdot 10m\right) + \frac{1}{2 \cdot 3m \cdot (15m + 10m - (2 \cdot 3m))} \cdot 15m\right) + \left(\frac{2300m^3}{2 \cdot 3m \cdot (15m + 10m - (2 \cdot 3m))} \cdot 10m\right) + \frac{1}{2 \cdot 3m \cdot (15m + 10m - (2 \cdot 3m))} \cdot 10m\right) + \frac{1}{2 \cdot 2m \cdot t \cdot (l_{Outer} + b_{Outer} - (2 \cdot t))}$$

(c) Volume of Hollow Cuboid C
(i) V = 2 \cdot h \cdot t \cdot (l_{Outer} + b_{Outer} - (2 \cdot t))
(i) Volume of Hollow Cuboid given Inner and Outer Breadth C
(i) V = h \cdot (b_{Outer} - b_{Inner}) \cdot (l_{Outer} + b_{Inner})
(i) Volume of Hollow Cuboid given Outer Length and Inner Breadth C
(i) V = 2 \cdot h \cdot t \cdot (b_{Inner} + l_{Outer})
(i) Volume of Hollow Cuboid given Total Surface Area C
(i) V = $\left((h \cdot b_{Outer}) + (h \cdot l_{Outer}) + (b_{Outer} \cdot t) + (l_{Outer} \cdot t) - (2 \cdot t^2) - \frac{TSA}{4}\right) \cdot (l_{Outer} + b_{Outer})$
(i) $V = \left((1 \cdot b_{Outer}) + (n \cdot 1_{Outer}) + (10m \cdot 3m) + (15m \cdot 3m) - \left(2 \cdot (3m)^2\right) - \frac{1750m^2}{4}\right) \cdot (15m + 10m \cdot 10m)$



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Variables Used

- **b**Inner Inner Breadth of Hollow Cuboid (Meter)
- **b**Outer Outer Breadth of Hollow Cuboid (Meter)
- h Height of Hollow Cuboid (Meter)
- IInner Inner Length of Hollow Cuboid (Meter)
- **I**Outer Outer Length of Hollow Cuboid (Meter)
- t Thickness of Hollow Cuboid (Meter)
- TSA Total Surface Area of Hollow Cuboid (Square Meter)
- V Volume of Hollow Cuboid (Cubic Meter)





Constants, Functions, Measurements used

- Measurement: Length in Meter (m) Length Unit Conversion
- Measurement: Volume in Cubic Meter (m³) Volume Unit Conversion
- Measurement: Area in Square Meter (m²) Area Unit Conversion



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