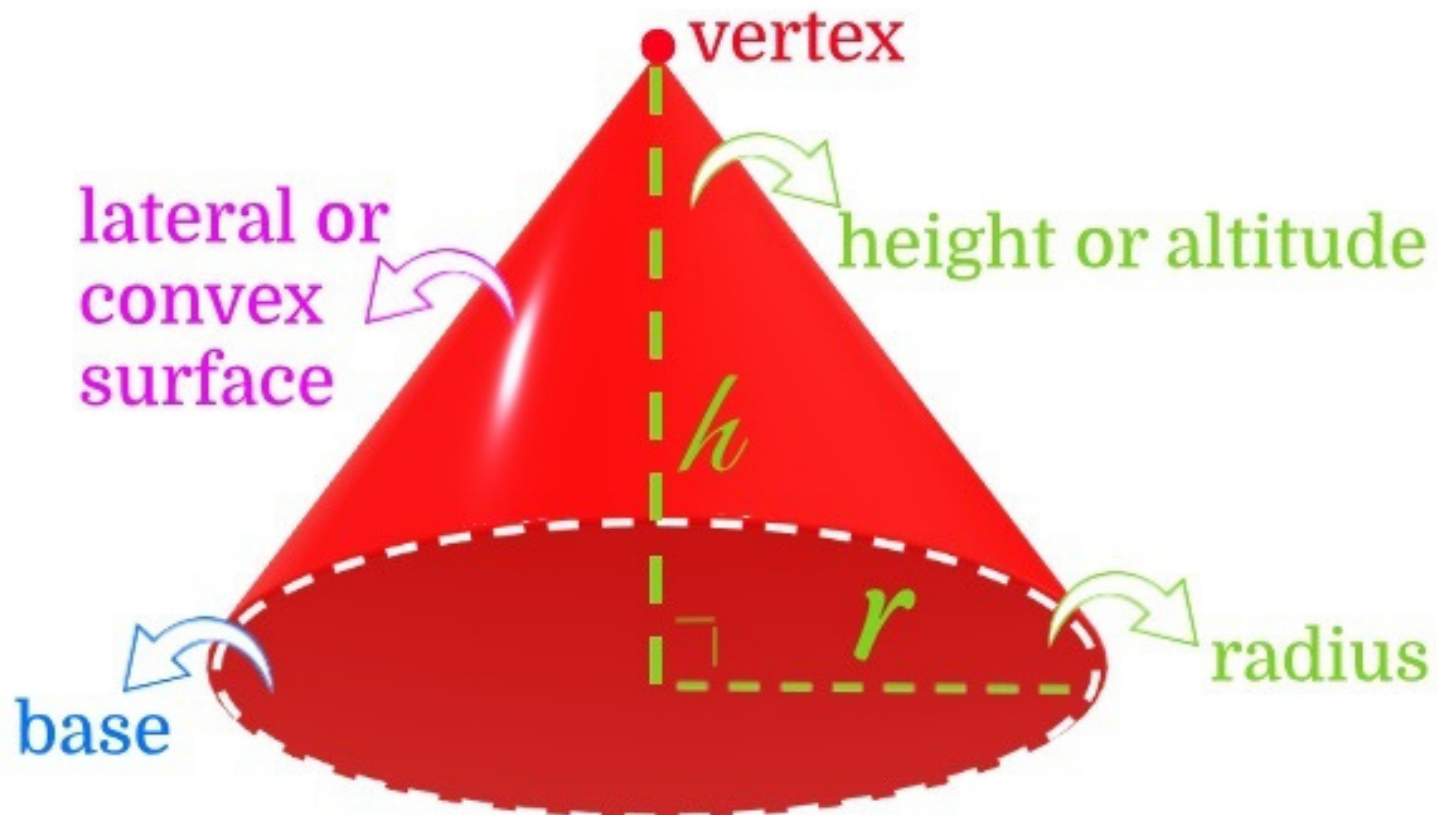




CONE

Is a solid bounded by a conical surface and a plane (base) which cuts all its elements.



YouTube

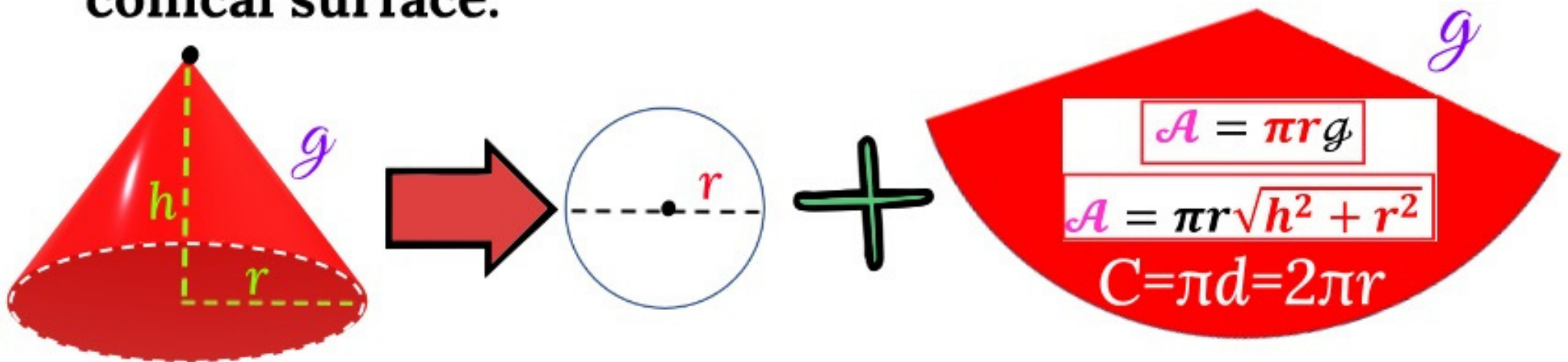


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TOTAL SURFACE AREA OF A CONE

Total Surface Area = Area of the base + Area of the conical surface.



$$S_{\text{TOTAL}} = \underbrace{\pi r^2}_{\text{Area of the base}} + \underbrace{\pi r \times g}_{\text{Area of the conical surface}}$$

Area of the base

Area of the conical surface



YouTube

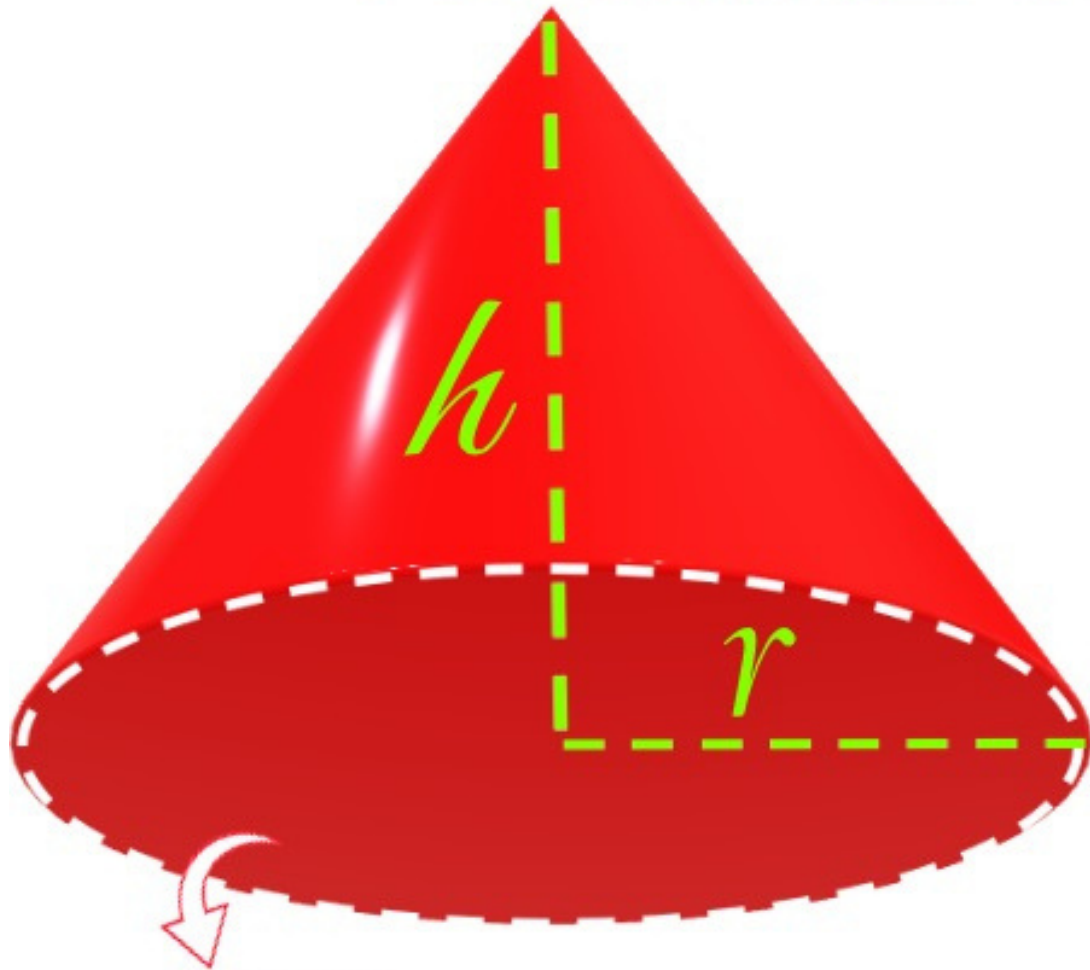


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VOLUME OF A CONE



$$B = \pi r^2$$

The volume of the cone is calculated as:

$$V = \frac{B \times h}{3}$$

B = Area of the Base

h = height



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