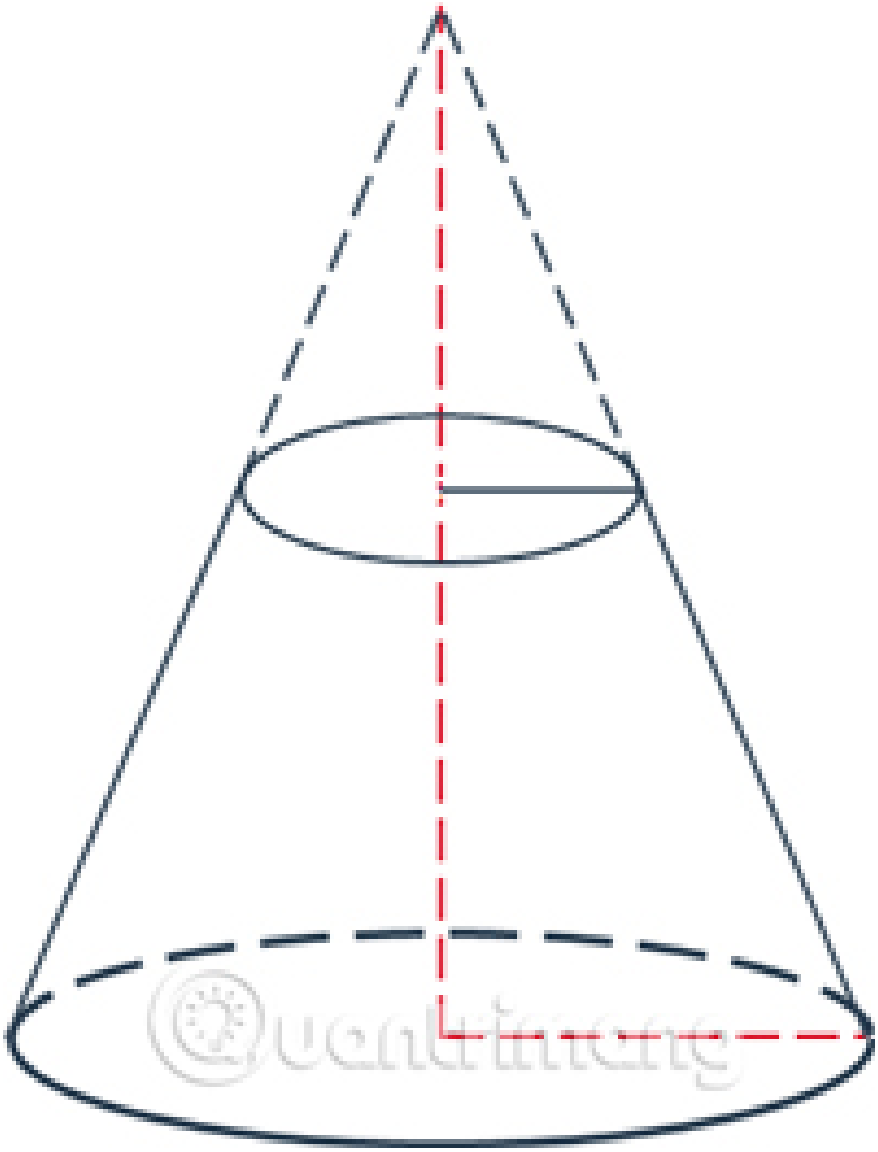
The formula calculates the area around the dead cone, the total area of ??the dead-end cone, the volume of the dead-end cone

You can easily see that we often catch a dead end in life like a bucket or lampshade ... With Quantrimang learn about the dead end, the formula for calculating the area and volume of this shape.

In the article below, TipsMake.com will introduce and share details to readers some of the topics related to the formula of calculating the volume of dead-end cones, the area around and the whole of the dead-end cone. Please read along for reference.

As learned from the previous article, the pyramid is formed when rotating a right triangle around its axis (a right-angled edge) one round.

When the cone is cut by a plane parallel to the bottom, the plane in the cone is a circle. The image between the aforementioned plane and the bottom face is called a **dead end.**



Understandably, a dead-end cone is a shape with two bottoms, two circles with different large and small radii lying on two parallel planes with a center line of symmetry axis.

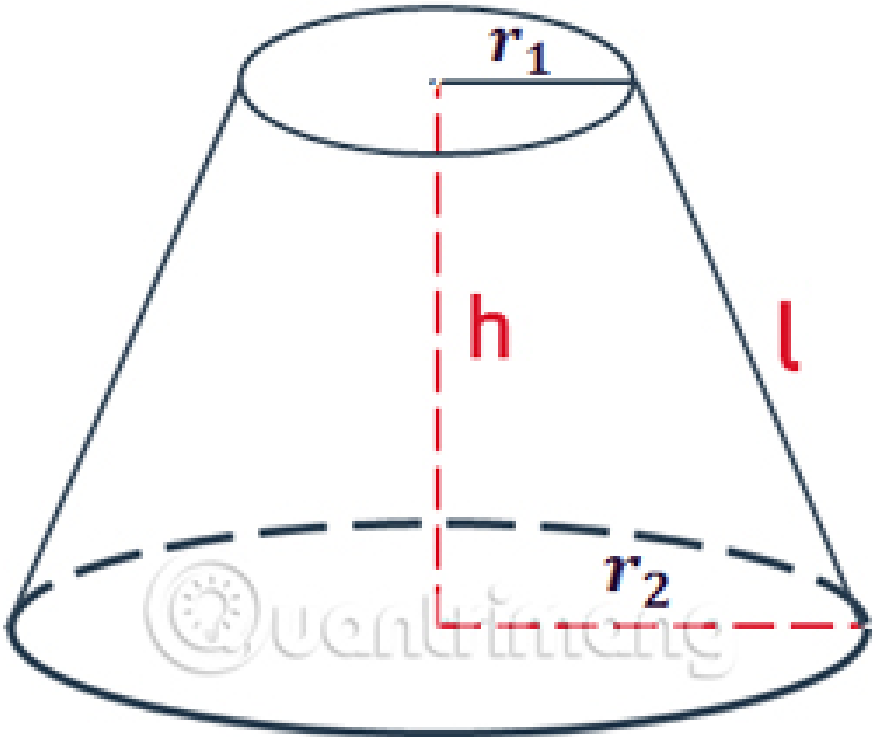
Calculate the area of ??the penguin cone

The area of ??a penguin cone is often referred to with two concepts: ambient and full.

The area around the dead-end cone only covers the area of ??the surrounding surface, surrounding the dead-end cone, not including the area of ??the two bottoms.

The total area is calculated as the magnitude of the total occupied space, including the surrounding area and the area of ??the two round bottoms.

As follows:



There are truncated cones with 2-sided radii of r_1 and r_2, the height of the cone is h, the line of birth is l, there will be the following related formulas:

Formula to calculate the surrounding area: equal to the surrounding area effect of large cones and small cones

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Inside:

1. S_{around} is the area around the penguin cone.
2. r_1 and r_2 are the 2 bottom radii of the truncated cone.
3. l is the length of the path of the dead end.

The formula for calculating the total area: equal to the surrounding area plus the area of ??2 bottoms.

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re 6 of The formula calculates the area around the dead cone, the total area of ??the dead-end cone, the volume of the dead-end

Calculate the volume of the penguin cone

The dead-end cone is the amount of space that the dead-end cone occupies.

Formula to calculate the volume of a dead cone: by the volume of a large cone and a small cone.

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Inside:

1. V is the volume of the penguin cone.
2. r_1 and r_2 are the 2 bottom radii of the truncated cone.
3. h is the height, the distance between the two bottoms of the dead end.

You can easily see that we often catch a dead-end cone in life like a bucket or a lampshade . Hopefully, through the above article, you have a better understanding of penguin cones and how to calculate the area. , how the volume of a dead cone.

You finished reading the article "**The formula calculates the area around the dead cone, the total area of ?? the dead-end cone, the volume of the dead-end cone**" edited by the **TipsMake** team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.

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