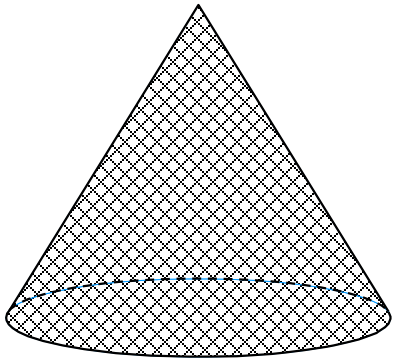
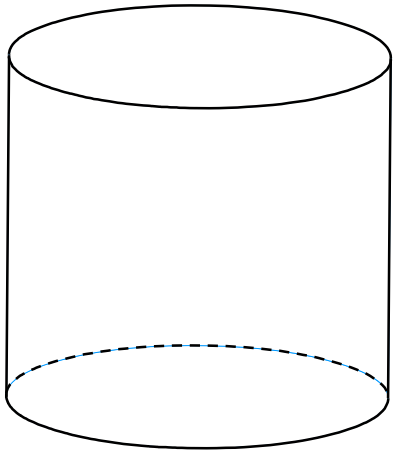
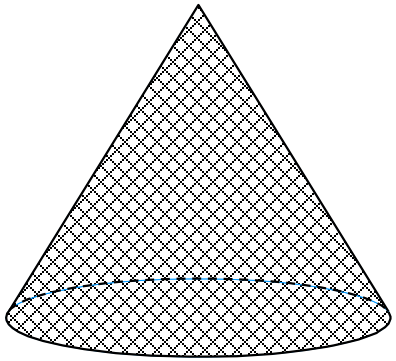
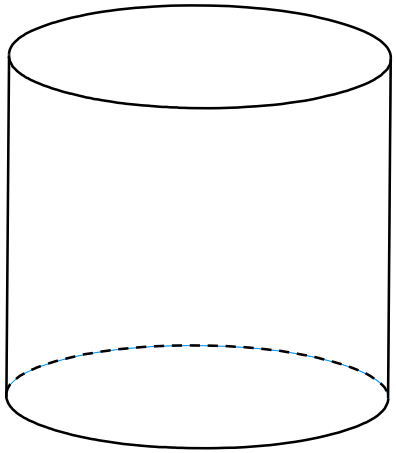
Volume of Pyramids, Cones & Spheres





Which one would have a larger volume and why?





How many filled cones do you think it would take to fill the cylinder?

Demonstration comparing volume of Cones with volume of Cylinders

Volume of a Cone

A cone is 1/3 the volume of a cylinder with the same base area (*B*) and height (*h*).

(Area of Base x Height) ÷ 3

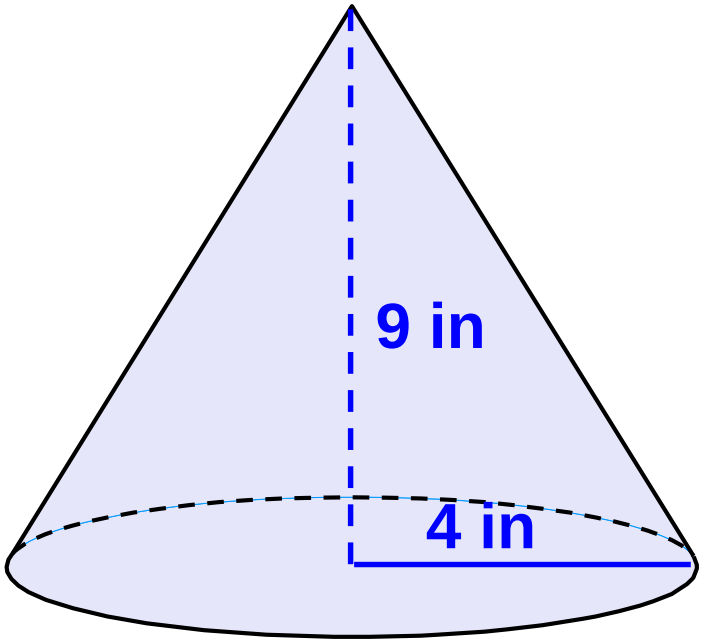
$\frac{1}{3}$ (Area of Base x Height)

Volume of cone:

How much ice cream can a Friendly's Waffle cone hold if it has a diameter of 6 in and its height is 10 in?

(Just Ice Cream within Cone. Not on Top)

23 **Find the volume.**



24 Find the Volume