MasterMath

Geometry

VOLUME OF PRISMS, CYLINDERS, PYRAMIDS AND CONES

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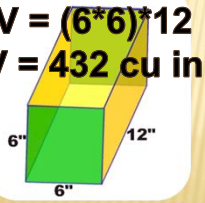
Volume = Bh

Volume = $\frac{1}{3}Bh$

VOLUME OF PRISMS, CYLINDERS, PYRAMIDS AND CONES

Shape	Area
Rectangle	A = bh
Triangle	A = ½ bh
Circle	A = πr^2

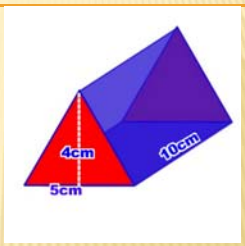
V = (6*6)*12
V = 432 cu in



$V = \frac{1}{3}*(3.14*6^2)*12$
V = 452.16 cu in

VOLUME OF PRISMS, CYLINDERS, PYRAMIDS AND CONES

Shape	Area
Rectangle	A = bh
Triangle	A = ½ bh
Circle	A = πr^2

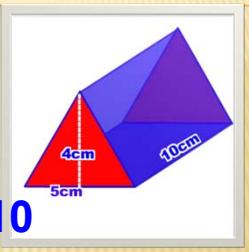


Calculate the Volume

You Try It

VOLUME OF PRISMS, CYLINDERS, PYRAMIDS AND CONES

Shape	Area
Rectangle	A = bh
Triangle	A = ½ bh
Circle	A = πr^2



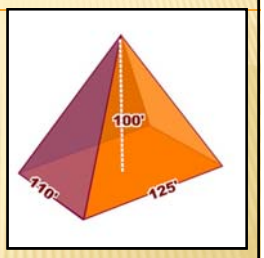
V = (½*5*4)*10
V = 100 cu cm

Calculate the Volume

You Try It

VOLUME OF PRISMS, CYLINDERS, PYRAMIDS AND CONES

Shape	Area
Rectangle	A = bh
Triangle	A = ½ bh
Circle	A = πr^2



Calculate the Volume

You Try It!

VOLUME OF PRISMS, CYLINDERS, PYRAMIDS AND CONES

Shape	Area
Rectangle	A = bh
Triangle	A = ½ bh
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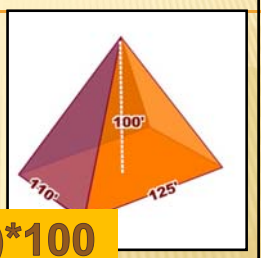

$V = \frac{1}{3}*(110*125)*100$

$V = 458{,}333.33$ cu ft

Calculate the Volume

You Try It!

VOLUME OF PRISMS, CYLINDERS, PYRAMIDS AND CONES

Shape	Area
Rectangle	A = bh
Triangle	A = ½ bh
Circle	A = πr^2

The tank of this water tower is a cylinder with a radius of 12' and a height of 15'. A gallon of water is .133681 cu. ft. When full, how many gallons of water does this water tower hold?

You Try It!

VOLUME OF PRISMS, CYLINDERS, PYRAMIDS AND CONES

Shape	Area
Rectangle	A = bh
Triangle	A = ½ bh
Circle	A = πr^2

$V = (3.14*12^2)*15$
$V = 6782.4$ cu ft.

Gallons = 6782.4 ÷ .133681
Gallons = 50,735.71 gallons

The tank of this water tower is a cylinder with a radius of 12' and a height of 15'. A gallon of water is .133681 cu. ft. When full, how many gallons of water does this water tower hold?

You Try It

VOLUME OF PRISMS, CYLINDERS, PYRAMIDS AND CONES

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Volume of Prisms, Cylinders, Pyramids and Cones

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