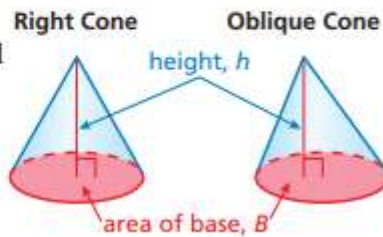


Key Idea

Volume of a Cone

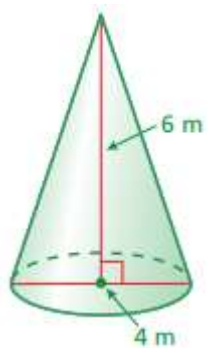
Words The volume V of a cone is one-third the product of the area of the base and the height of the cone.

Algebra $V = \frac{1}{3}Bh$

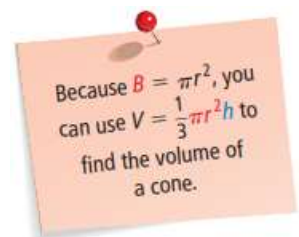


Finding the Volume of a Cone

Ex:) Find the volume of the cone. Round your answer to the nearest tenth.



Notes:



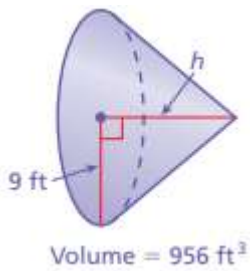
OYO:) Find the volume of a cone with a radius of 6 centimeters and a height of 15 centimeters. Round your answer to the nearest tenth.

Notes:

Finding the Height of a Cone

Ex:) Find the height of the cone. Round your answer to the nearest tenth.

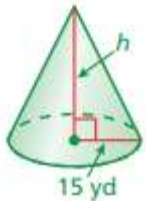
Notes:



OYO:) Find the height of the cone. Round your answer to the nearest tenth.

Notes:

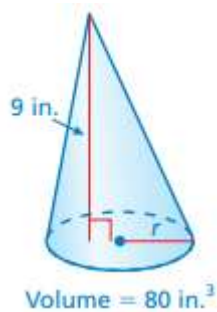
Volume = 7200 yd^3



Finding the Radius of a Cone

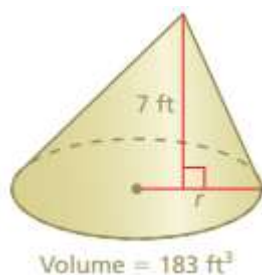
Ex:) Find the radius of the cone. Round your answer to the nearest tenth.

Notes:



OYO:) Find the radius of the cone. Round your answer to the nearest tenth.

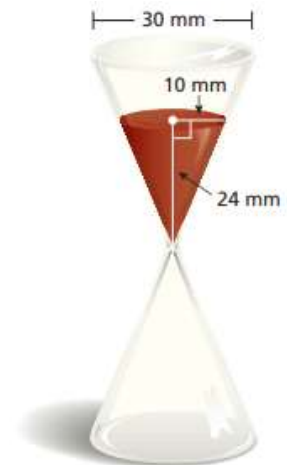
Notes:



Modeling Real Life

Ex:) You must answer a trivia question before the sand in the timer falls to the bottom. Each second, 50 cubic millimeters of sand fall. How much time do you have to answer the question?

Notes:



OYO:) A stalactite is a mineral formation that hangs from the ceiling of a cave. A cone-shaped stalactite has a height of 48 centimeters and a base circumference of 3.5π centimeters. What is the volume of the stalactite?

Notes:



