

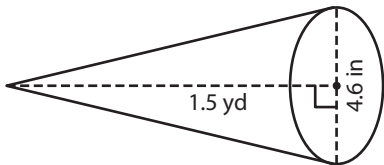
Name : _____

Decimals: DS5

Volume - Cone

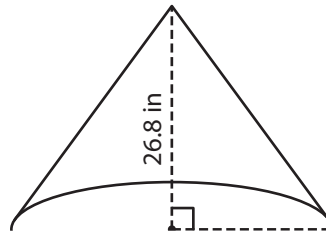
A) Find the volume of each cone. Round your answer to two decimal places.
(use $\pi = 3.14$)

1)



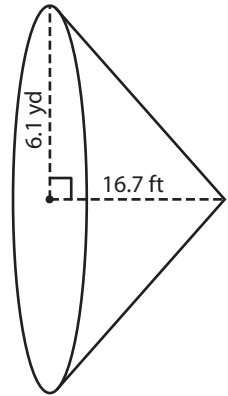
Volume = _____

2)



Volume = _____

3)



Volume = _____ yd³

B) Find the volume of each cone. Round your answer to two decimal places.

4) diameter = 8.7 ft ; height = 12 ft

Volume = _____

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5) radius = 3.8 ft ; height = 10 ft

Volume = _____ ft³

6) height = 24.3 yd ; diameter = 12 yd

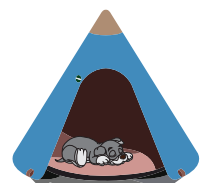
7) radius = 5 in ; height = 7 in

Volume = _____ yd³

Volume = _____ in³

8) Sophia buys a conical pet cave for her puppy. If the height and diameter of the cave are 18.2 inches and 1.5 feet respectively, what is the volume of air within the pet cave? Round your answer to two decimal places. (use $\pi = 3.14$)

_____ cubic feet



Name : _____

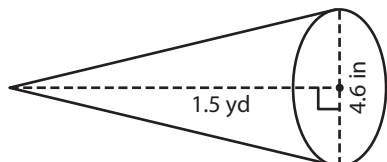
Answer key

Volume - Cone

Decimals: DS5

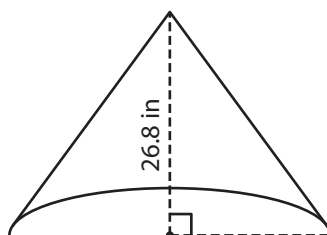
A) Find the volume of each cone. Round your answer to two decimal places.
(use $\pi = 3.14$)

1)



Volume = 298.99

2)



PREVIEW

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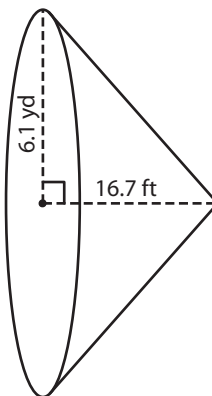
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Volume = 29,090.

3)



Volume = 216.8 yd³

B) Find the volume of each cone. Round your answer to two decimal places.

4) diameter = 8.7 ft ; height = 12.5 ft

5) radius = 3.8 ft ; height = 12.5 ft

Volume = 29,090.

Volume = 65 ft³

6) height = 24.3 yd ; diameter = 1.5 yd

7) radius = 1.5 ft ; height = 7 in

Volume = 4.53 yd³

Volume = 1,163.18 in³

8) Sophia buys a conical pet cave for her puppy. If the height and diameter of the cave are 18.2 inches and 1.5 feet respectively, what is the volume of air within the pet cave? Round your answer to two decimal places. (use $\pi = 3.14$)

0.89 cubic feet

