Volumes

8th Grade

V = \pi r^2h

V = \frac{4}{3} \pi r^3

V = \frac{1}{3} \pi r^2h

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Find the exact volume of each cone.

1) \[ \text{Volume} = \]  

2) \[ \text{Volume} = \]  

3) \[ \text{Volume} = \]  

4) \[ \text{Volume} = \]  

5) \[ \text{Volume} = \]  

6) \[ \text{Volume} = \]  

7) \[ \text{Volume} = \]  

8) \[ \text{Volume} = \]  

9) \[ \text{Volume} = \]  

10) A party hat has a diameter of 18 feet and a height of 25 feet. Find the volume of air it can occupy.

\[ \text{Volume} = \]
Find the volume of each cone. Round the answer to nearest tenth. (use π = 3.14)

1) Volume =

2) Volume =

3) Volume =

4) Volume =

5) Volume =

6) Volume =

7) Volume =

8) Volume =

9) Volume =

10) A conical flask has a diameter of 20 feet and a height of 18 feet. Find the volume of air it can occupy.

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

1) \[ \text{Volume} = \quad \]

2) \[ \text{Volume} = \quad \]

3) \[ \text{Volume} = \quad \]

4) \[ \text{Volume} = \quad \]

5) \[ \text{Volume} = \quad \]

6) \[ \text{Volume} = \quad \]

7) \[ \text{Volume} = \quad \]

8) \[ \text{Volume} = \quad \]

9) \[ \text{Volume} = \quad \]

10) A conical tank has a radius of 18.3 inches and a height of 48.6 inches. Find the volume of the tank.

\[ \text{Volume} = \quad \]
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Find the exact volume of each shape.

1) Volume = 
2) Volume = 
3) Volume = 
4) Volume = 
5) Volume = 
6) Volume = 
7) Volume = 
8) Volume = 
9) Volume = 

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Find the volume of each shape. Round the answer to nearest tenth. ( use π = 3.14 )

1) \[ \text{Volume} = \] 2) \[ \text{Volume} = \] 3) \[ \text{Volume} = \] 4) \[ \text{Volume} = \] 5) \[ \text{Volume} = \] 6) \[ \text{Volume} = \] 7) \[ \text{Volume} = \] 8) \[ \text{Volume} = \] 9) \[ \text{Volume} = \]
Find the volume of each shape. Round the answer to two decimal places. (use π = 3.14)

1) 
Volume = ________

2) 
Volume = ________

3) 
Volume = ________

4) 
Volume = ________

5) 
Volume = ________

6) 
Volume = ________

7) 
Volume = ________

8) 
Volume = ________

9) 
Volume = ________