

#1

_____ is the amount of three-dimensional space and object or substance takes up.

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#2

What formula can you use to find the volume of a cylinder?

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#3

What formula can you use to find the volume of a cone?

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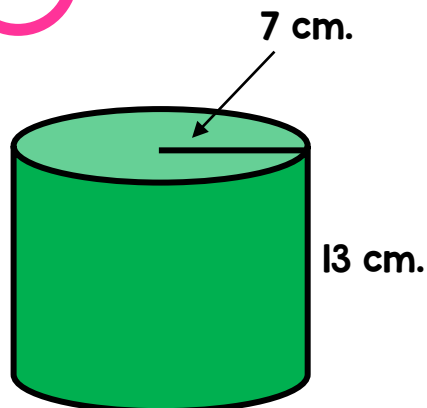
#4

What formula can you use to find the volume of a sphere?

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#5

Find the volume of the figure. Round to the nearest tenth if necessary.



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#6

A barrel has a diameter of 15 inches and a height 50 inches. What is the volume of the barrel? Round to the nearest tenth if necessary.



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#7

How do the formulas for the volume of a cylinder and a cone relate and why?

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#8

Find the volume of a cone with a radius of 8 ft. and a height of 9 ft. Round to the nearest tenth if necessary.

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Name

Date

Volume of Cylinders, Cones, and Spheres

1	2	3	4	5	6	
7		8	9	10	11	12
13	14	15	16	17	18	
19	20	21	22	23	24	

Use the back of this paper if needed.