

Volume of Pyramids, Cones, and Spheres

Substitute into the correct formula, show your working, and include units.



Name _____

Date _____

Formula first

Write the formula before substituting. Leave answers in terms of π unless a decimal is asked for.

1. Find the volume in terms of π .



2. Find the volume in terms of π .



3. Find the volume.



4. Find the volume in terms of π .



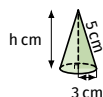
5. Find the volume in terms of π .



6. Find the volume.



7. Find the perpendicular height, then the volume in terms of π .



8. Find the volume correct to 1 d.p.



9. Find the volume.



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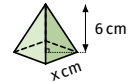
10. The volume is $100\pi \text{ cm}^3$. Find the height.



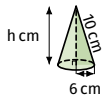
11. The volume is $972\pi \text{ cm}^3$. Find the radius.



12. The volume is 288 cm^3 . Find the base side length.



13. Find the perpendicular height, then the volume in terms of π .



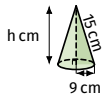
14. Find the volume correct to 1 d.p.



15. The volume is 100 cm^3 . Find the height.



16. Find the perpendicular height, then the volume in terms of π .



17. Find the volume correct to 1 d.p.



18. Find the volume.

