

Info Gap: Unknown Dimensions

Problem Card 1

A cone and a sphere have the same dimensions. What is the volume of the sphere?

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Data Card 1

- The volume of the cone is $V = 144\pi \text{ cm}^3$.
- The radius of the cone is the same as the radius of the sphere.
- $4^3 = 64, 5^3 = 125, 6^3 = 216, 7^3 = 343$

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Problem Card 2

A cone and a sphere have the same height. What is the volume of the sphere?

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Data Card 2

- The volume of the cone is $V = 18\pi \text{ cm}^3$.
- The radius of the sphere is half the height of the cone.
- The height of the cone is twice the value of the radius of the cone.
- $4^3 = 64, 5^3 = 125, 6^3 = 216, 7^3 = 343$

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Problem Card 2

A cone and a sphere have the same height. What is the volume of the sphere?

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