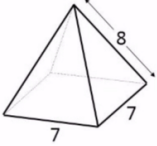




Volume of Non-Prisms

Name:

Date:



To work out the volume of this solid, you do

A $\frac{1}{3} \times 7 \times 8^2$ **B** $\frac{1}{3} \times 7^2 \times 8$

C None of these **D** $\frac{1}{3} \times \pi \times 7^2 \times 8$

Correct Answer: A B C D

Explanation:

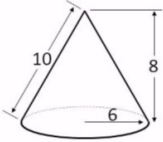
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To work out the volume of this solid, you do

A $\frac{1}{3} \times \pi \times 6^2 \times 10$ **B** $\frac{1}{3} \times 6 \times 8 \times 10$

C $\frac{1}{3} \times \pi \times 8^2 \times 6$ **D** $\frac{1}{3} \times \pi \times 6^2 \times 8$

Correct Answer: A B C D

Explanation:

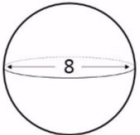
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To work out the volume of this solid, you do

A $\frac{4}{3} \times \pi \times 8^3$ **B** None of these

C $\frac{4}{3} \times \pi \times 8^3$ **D** $\frac{4}{3} \times \pi \times 4^3$

Correct Answer: A B C D

Explanation:

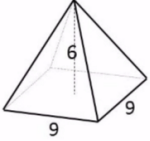
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To work out the volume of this solid, you do

A $\frac{1}{3} \times \pi \times 9^3$ **B** $\frac{1}{3} \times \pi \times 9^2 \times 6$

C $\frac{1}{3} \times 9^2 \times 6$ **D** $\frac{1}{3} \times 6^2 \times 9$

Correct Answer: A B C D

Explanation:

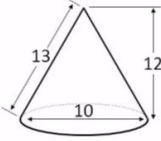
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To work out the volume of this solid, you do

A $\frac{1}{3} \times \pi \times 5^2 \times 13$ **B** $\frac{1}{3} \times \pi \times 5^2 \times 12$

C $\frac{1}{3} \times \pi \times 10^2 \times 12$ **D** None of these

Correct Answer: A B C D

Explanation:


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To work out the volume of this hemisphere, you do

A $\frac{4}{3} \times \pi \times 3^3$ **B** $\frac{4}{3} \times \pi \times 3^3$

C $\frac{4}{3} \times \pi \times 6^3$ **D** $\frac{2}{3} \times \pi \times 6^3$

Correct Answer: A B C D

Explanation:

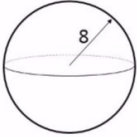
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To work out the volume of this solid, you do

A $\frac{4}{3} \times \pi \times 8^3$ **B** $\frac{4}{3} + \pi \times 8^3$

C $\pi \times 8^2$ **D** $2 \times \pi \times 8$

Correct Answer: A B C D

Explanation:

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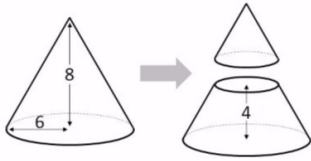
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A cone is cut to form a smaller cone and a frustum



To work out the volume of the frustum, you do

A $\frac{1}{3} \times \pi \times 6^2 \times (8-4)$

B $\frac{1}{3} \times \pi \times 6^2 \times 4$

C $\frac{1}{3} \times \pi \times (6^2 \times 8 - 3^2 \times 4)$

D More information needed

Correct Answer: A B C D

Explanation:

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