Learning Goal: I can solve basic problems involving the **volume** of a cylinder, cone, and sphere.

Meta de Aprendizaje: Puedo resolver problemas básicos relacionados con el volumen de un cilindro, cono y esfera.

Language Goal: I can discuss with a partner how to calculate the Area of the Base, B, and write an explanation.

Lenguaje Objetivo: Puedo discutir con un compañero cómo calcular el Área de la Base, B, y escribir una explicación.

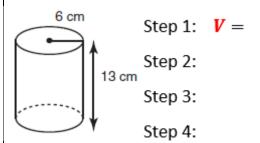
- 1. What is volume? VOLUME is ______
- 2. What is **B**? **B** is _____
- 3. What is **h**? **h** is ______
 - Step 1: Write the Volume Formula in a T-Chart
 - Step 2: Replace "B", if needed, w/ the correct Area Formula
 - Step 3: Replace the variables with your numbers

(Be sure to use the radius, not the diameter!)

Step 4: Use your calculator to find the Volume

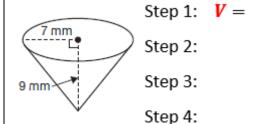
DIRECTIONS: Use the 4 Steps to calculate the **volume** of the following shapes.

4. What is the **volume** of the cylinder?



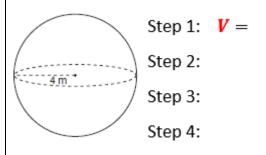
ANSWER:

5. What is the **volume** of the cone?



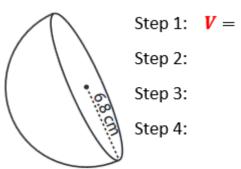
ANSWER:

6. What is the **volume** of the sphere?



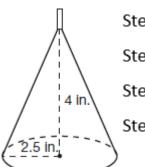
ANSWER:

7. What is the **volume** of the hemisphere?



ANSWER: _____

8. How many cubic inches is the cand



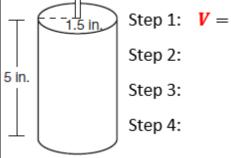
Step 2:

Step 3:

Step 4:

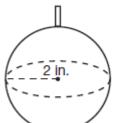
5 i	n.	

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9. How many cubic inches is the candle?
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ANSWER: _____ ANSWER: ____

10. How many cubic inches is the candle?



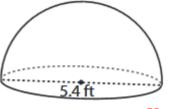
Step 2:

Step 3:

Step 4:

ANSW	/FB		
$V \cap V = V \vee V$	/LD:		
HINDY	vi n.		

11. How many cubic feet is the hemisphere?



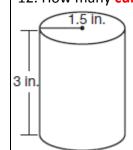
Step 2:

Step 3:

Step 4:

ANSWER: ____

12. How many cubic inches is the cylinder?

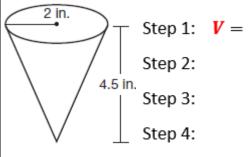


Step 2:

Step 3:

Step 4:

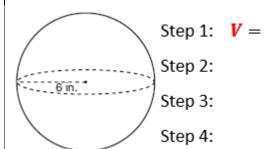




_____ ANSWER: _____

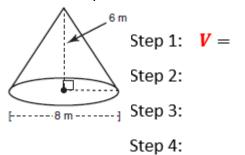
ANSWER: _____

14	How	many	cubic	inches	is the	sphere ²
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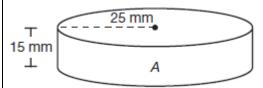
ANSWER:	

15. How many cubic meters is the cone?



ANSW	ER:		

16. What is the **volume** of the cylinder?



Step 1: **V** =

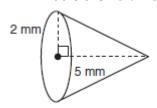
Step 2:

Step 3:

Step 4:

ANSWER:

17. What is the **volume** of the cone?



Step 1: **V** =

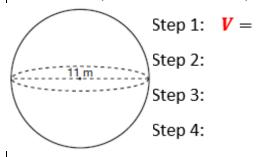
Step 2:

Step 3:

Step 4:

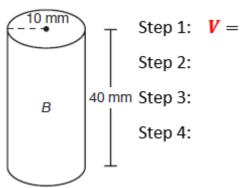
ANSWER:

18. How many **cubic meters** is the sphere?



ANSWER: _____

19. How many cubic inches is the hemisphere?



ANSWER: _____

20. What is the volume of a sphere with a radius of 10 inches?	21. What is the volume of a cylinder with a radius of 5 inches and a height of 10 inches?
Step 1: V =	Step 1: V =
Step 2:	Step 2:
Step 3:	Step 3:
Step 4:	Step 4:
ANSWER:	ANSWER:
22. What is the volume of a cone with a radius of 5 inches and a height of 10 inches?	23. What is the volume of a hemisphere with a radius of 10 inches?
Step 1: V =	Step 1: V =
Step 2:	Step 2:
Step 3:	Step 3:
Step 4:	Step 4:
ANSWER:	ANSWER:
ANSWER: 24. A cylindrical tube has a radius of 5 inches and a height of 12 inches. What is the volume of the tube?	ANSWER: 25. How many cubic inches of air does it take to fill up a soccer ball with a radius of 12 inches?
24. A cylindrical tube has a radius of 5 inches and a height of 12 inches. What is the volume of the	25. How many cubic inches of air does it take to fill
24. A cylindrical tube has a radius of 5 inches and a height of 12 inches. What is the volume of the tube?	25. How many cubic inches of air does it take to fill up a soccer ball with a radius of 12 inches?
24. A cylindrical tube has a radius of 5 inches and a height of 12 inches. What is the volume of the tube? Step 1: V =	25. How many cubic inches of air does it take to fill up a soccer ball with a radius of 12 inches? Step 1: V =
24. A cylindrical tube has a radius of 5 inches and a height of 12 inches. What is the volume of the tube? Step 1: V = Step 2:	25. How many cubic inches of air does it take to fill up a soccer ball with a radius of 12 inches? Step 1: V = Step 2:
24. A cylindrical tube has a radius of 5 inches and a height of 12 inches. What is the volume of the tube? Step 1: V = Step 2: Step 3:	25. How many cubic inches of air does it take to fill up a soccer ball with a radius of 12 inches? Step 1: V = Step 2: Step 3:
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