Name _____ Date _____ Class _____

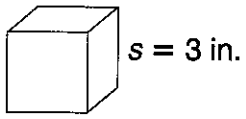
LESSON 10-7

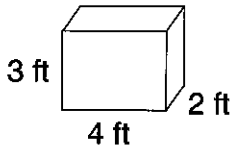
Practice A

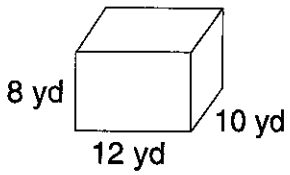
Volume of Prisms

SHOW WORK FOR EVERY PROBLEM ON EVERY PAGE!

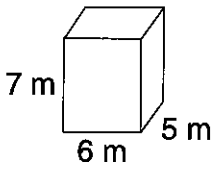
Find the volume of each rectangular prism.

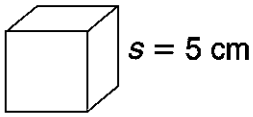
1. 

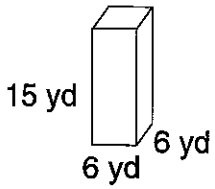
2. 

3. 

_____ _____ _____

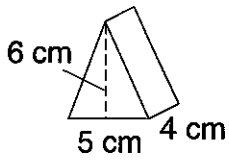
4. 

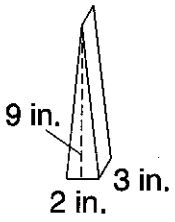
5. 

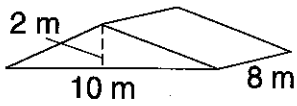
6. 

_____ _____ _____

Find the volume of each triangular prism.

7. 

8. 

9. 

_____ _____ _____

10. A triangular prism and a rectangular prism have the same lengths, heights, and widths. Which prism has the greater volume?

_____

11. Tim made a toy chest for his little sister's square building blocks. If 6 layers of blocks can fit in the box, and each layer has 15 blocks, how many building blocks can the toy chest hold in all?

_____

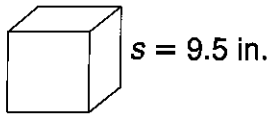
Name _____ Date _____ Class _____

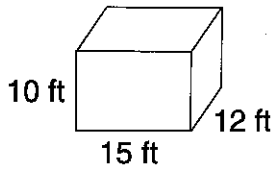
LESSON 10-7

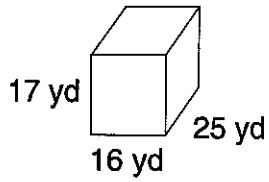
Practice B

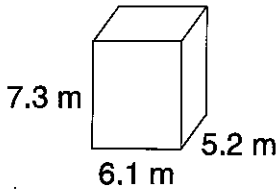
Volume of Prisms

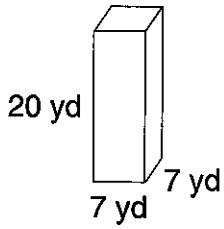
Find the volume of each rectangular prism.

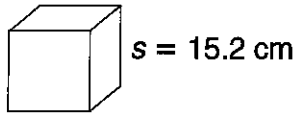
1. 

2. 

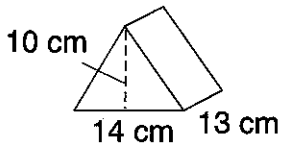
3. 

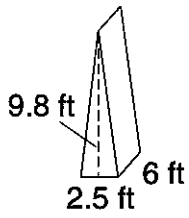
4. 

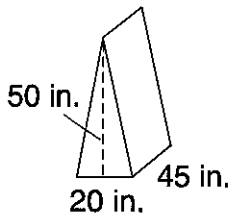
5. 

6. 

Find the volume of each triangular prism.

7. 

8. 

9. 

10. Fawn built a sandbox that is 6 feet long, 5 feet wide, and $\frac{1}{2}$ foot tall. How many cubic feet of sand does she need to fill the box?

11. Unfinished lumber is sold in units called board feet. A board foot is the volume of lumber contained in a board 1 inch thick, 1 foot wide, and 1 foot long. How many cubic inches of wood are in 1 board foot?

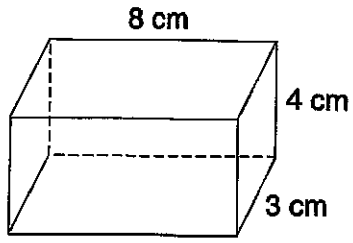
Name _____ Date _____ Class _____

LESSON 10-7 Puzzles, Twisters & Teasers

3D Match

Find the volume of each of the prisms below. Draw a line to the correct answer. Rearrange the letters to solve the riddle.

1.



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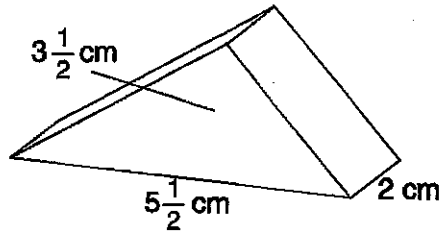
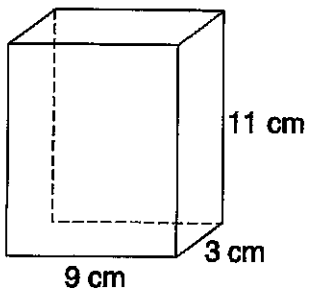
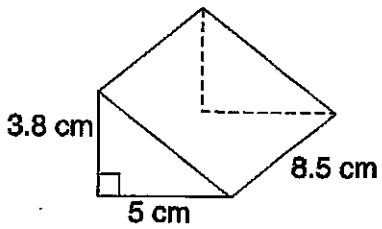


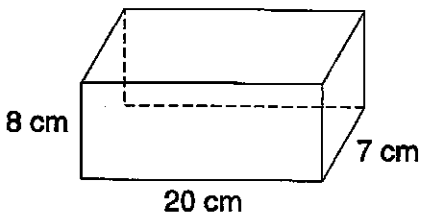
3.



4.



5.



L 297 cm^3

C 148.5 cm^3

G 43 cm^3

H 96 cm^3

A $19\frac{1}{4}$ cm^3

M 161.5 cm^3

O 80.75 cm^3

S 30.25 cm^3

E 1120 cm^3

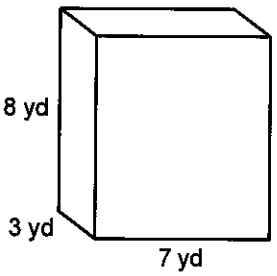
K 560 cm^3

Calculating Volume

Name: _____ **Date:** _____

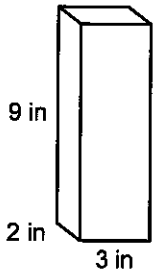
Calculate the volume of each solid.

(1)



Volume: _____

(2)



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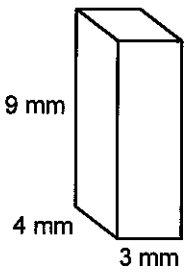
(3)



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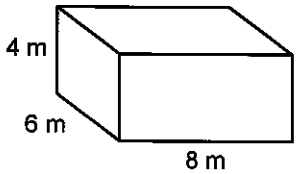
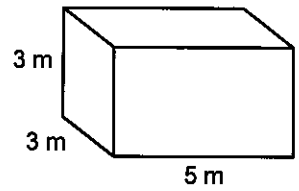
(4)



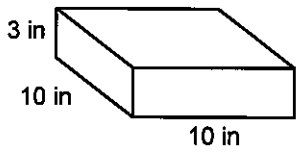
Volume: _____

(5)



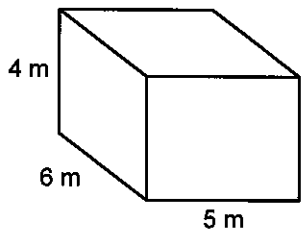
Volume: _____

(6)



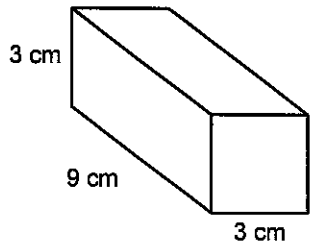
Volume: _____

(7)



Volume: _____

(8)



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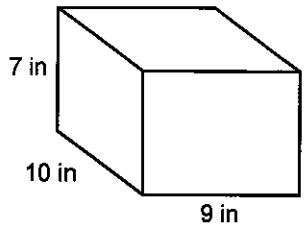
(9)



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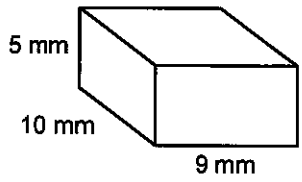
(10)



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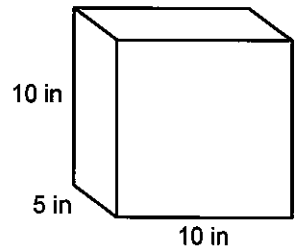
(11)



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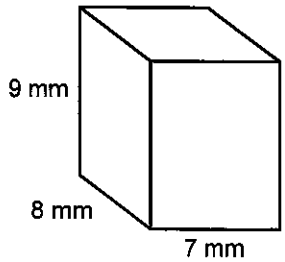


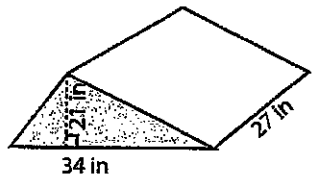
Volume: _____

Name : _____ Score : _____

Volume of Triangular Prism

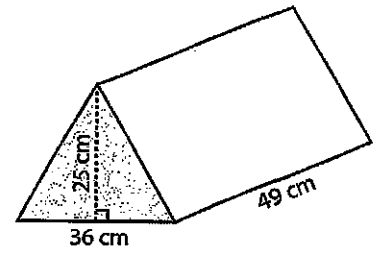
Find the volume of each triangular prism. Show work.

1)



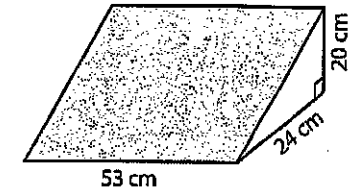
Volume = _____

2)



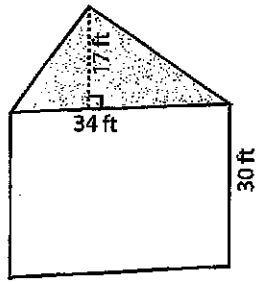
Volume = _____

3)



Volume = _____

4)



Volume = _____

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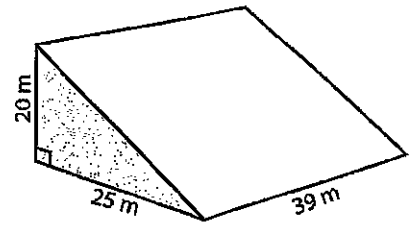
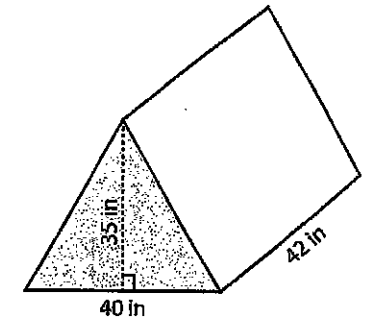


Volume = _____

6)



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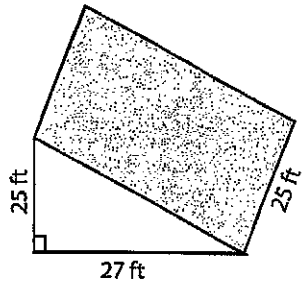

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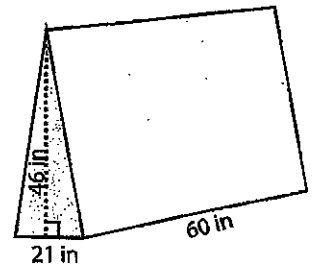

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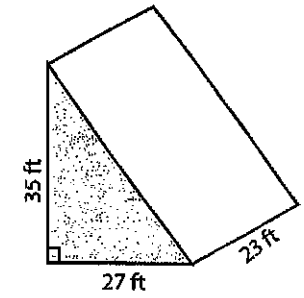


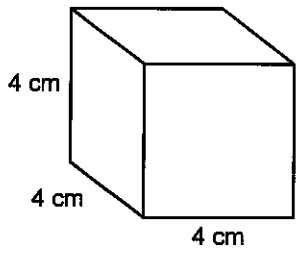
Volume = _____

Calculating Volume

Name: _____ **Date:** _____

Calculate the volume of each solid.

(1)



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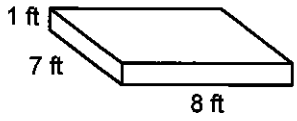

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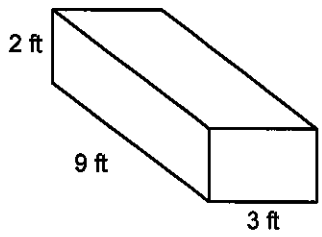
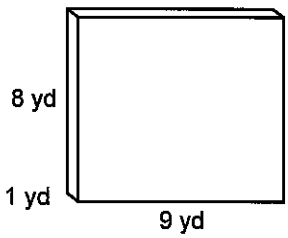
(3)



Volume: _____

(4)



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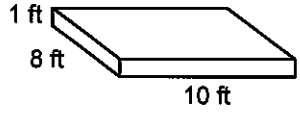
(5)



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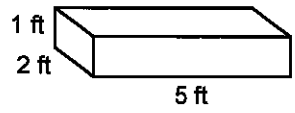
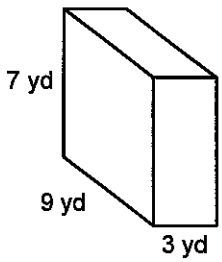
(6)



Volume: _____

(7)



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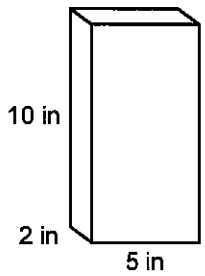

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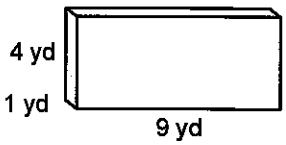

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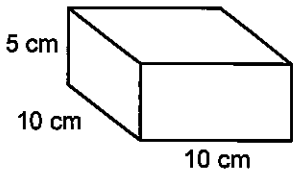

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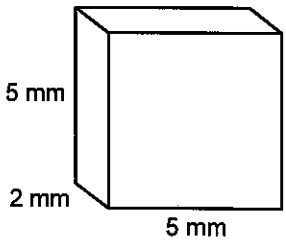
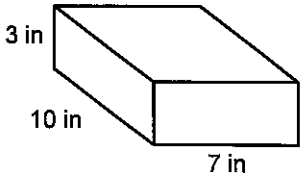


Volume: _____

(12)



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