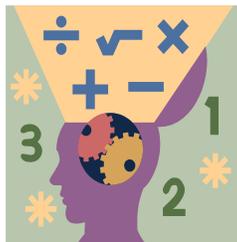


Name: _____ Section: _____



Homework

Greetings Scholar and Parents. We will focus our efforts this week on Chapter 15, *Volume*. Scholars will learn how to find the volume of rectangular prisms and compound figures using formulas. Please complete homework daily based on the schedule provided below.

Extra Practice

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL. Under the **“What should I work on”** section, scholars will find Teacher Assigned Lessons. From there, you will see a list of lessons reinforcing the daily skills.

- Volume of rectangular prisms made of unit cubes I
- Volume of rectangular prisms made of unit cubes II
- Volume of rectangular prisms made of unit cubes: word problems
- Volume of irregular figures made of unit cubes
- Volume of cubes and rectangular prisms
- Volume of compound figures

Notes

Completed homework packets should be uploaded or turned in on Sunday, January 26th. Students must prove and show all their work in the provide space. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on HMH. Please feel free to contact me with any questions or concerns at peter.vanegas@archimedean.org.

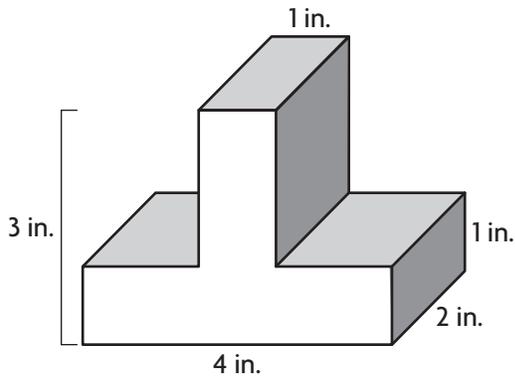
<u>Monday</u>	Jan 20 th	– MLK Day.
<u>Tuesday</u>	Jan 21 th	– 15.6
<u>Wednesday</u>	Jan 22 th	– No additional homework.
<u>Thursday</u>	Jan 23 th	– Complete In-Class VOLUME Study Guide
<u>Friday</u>	Jan 24 th	– QUIZ DAY - VOLUME

Find Volume of Composed Figures

[Go Online](#)
[Interactive Examples](#)

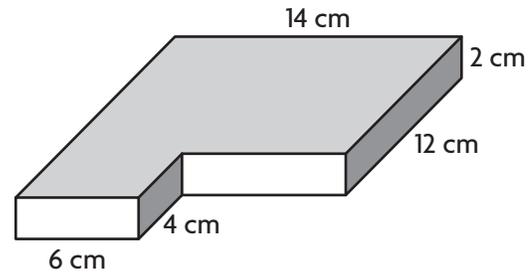
Find the volume of the composite figure.

1.



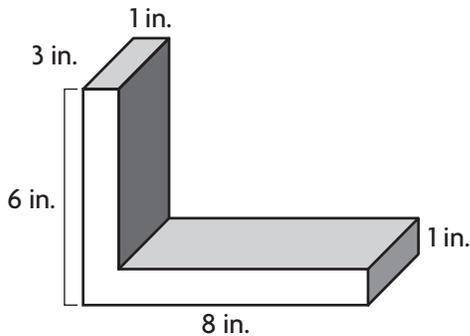
$V = \underline{\hspace{2cm}}$

2.



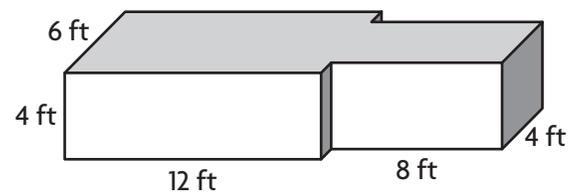
$V = \underline{\hspace{2cm}}$

3.



$V = \underline{\hspace{2cm}}$

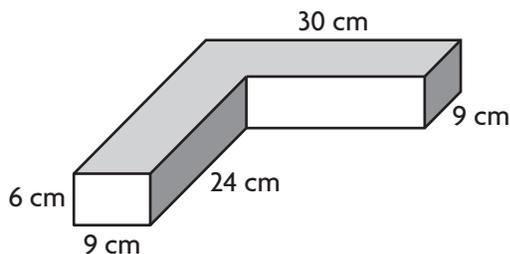
4.



$V = \underline{\hspace{2cm}}$

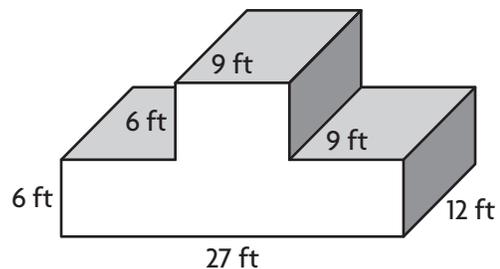
Problem Solving

5. As part of her shop class, Jules made the figure below out of pieces of wood. How much space does the figure she made take up?



$V = \underline{\hspace{2cm}}$

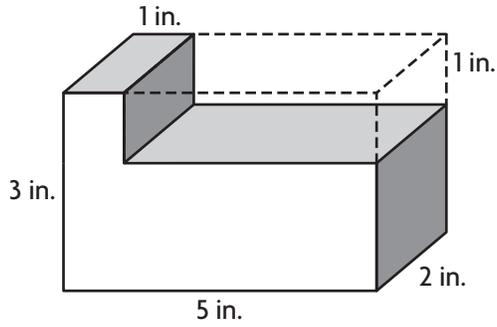
6. What is the volume of the composite figure below?



$V = \underline{\hspace{2cm}}$

Lesson Check

7. Write an expression to represent the volume of the composite figure.



8. Suppose you take the small prism and stack it on top of the larger prism. What will be the volume of the composite figure?

