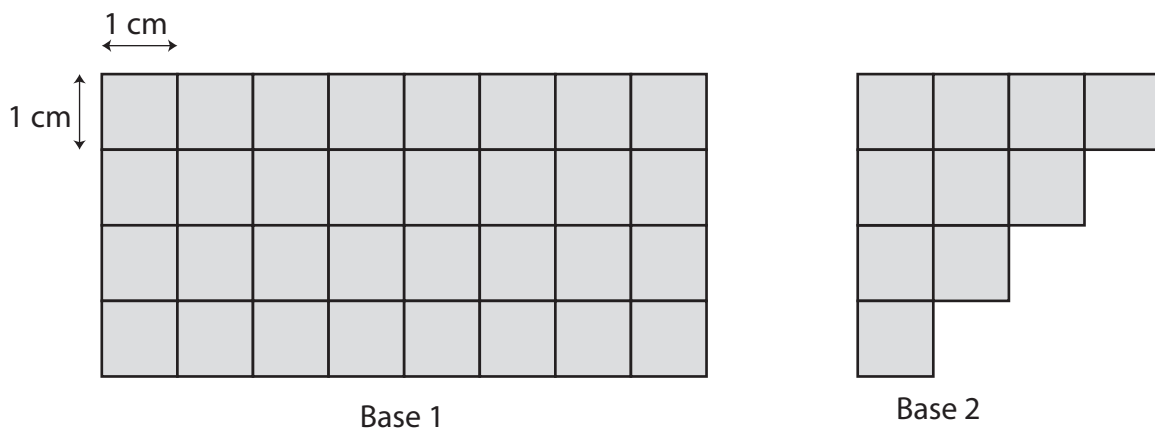
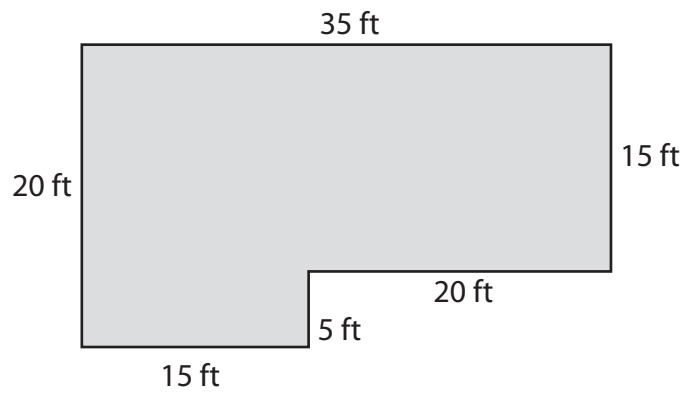


Volume, Area, and Perimeter

1. Explain what it means to say that a box has a volume of 60 cubic inches.
2. Explain what it means to say that the area of the floor of a room is 600 square feet.
3. Explain what it means to say that the perimeter of a room is 100 feet.



4. What is the volume of a prism (tower) that is 25 centimeters tall over base 1 above?
Write an expression for the volume using multiplication: _____
Volume: _____ (remember the units!) Show your work.
5. What is the volume of a prism (tower) that is 10 centimeters tall over base 2 above?
Write an expression for the volume using multiplication: _____
Volume: _____ (remember the units!) Show your work.



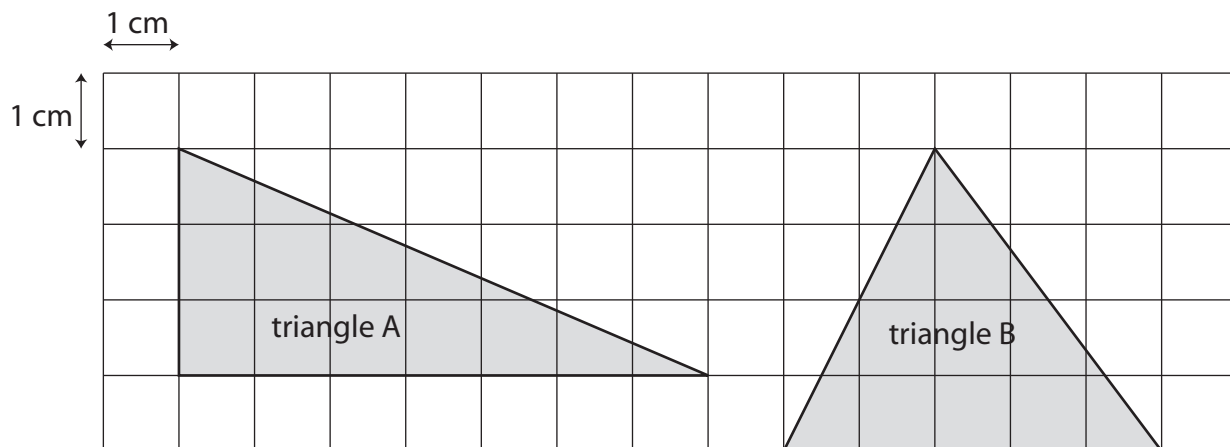
6. The floor plan of a room is shown above. The room is 12 feet tall. Find the perimeter, floor area, and volume of the room.

Perimeter: _____ (remember the units!)

Area: _____ (remember the units!)

Volume: _____ (remember the units!)

Show your work.



7. Find the area of triangle A above. Area: _____ (remember the units!)

8. Find the area of triangle B above. Area: _____ (remember the units!)