

# Daily Class Slides

Geometry Spring 2022  
Chandru Narayan

# Introductions!

Chandru  
Narayan



Role at Bush: CS and Math teacher

What you were like in High School: Outgoing

Your first day of school tradition/superstition: Bowtie!

Who inspires you: Friendly People

Your interests outside of Bush: Bicycling, Astronomy

Something you are doing: Bicycling 110 miles to raise money for the Child Abuse Prevention dept at Mary Bridge Children's Hospital - My 15th year

A song you know all the words to: Katrinile Varum Geetham - A Tamil song about music in a light breeze

A talent I cherish: South Indian Cooking

Thursday, Jan 6th

# What's happening today?

## Check-in

Welcome new Students!

[Reflections upon Fall Term](#)

Class Logistics

Ready to have fun! Be courteous, Participate!

All Assignments in Portal and linked to Google Classroom. Do not be late in submitting them!

Bring fully charged laptop, geo instruments, notebook, toolbox & calculator

Dress Warmly Windows to be Open , Masks ON, No eating or drinks inside

Can you Access the textbook online?

## Today

Introduce Area & Volume - New Chapter 8 (Page 422 in book)!

5-minute Break

Area & Volume Investigation - Area of Rect, Parallelogram and any Triangle

## Reminder

Complete Investigation - Due today

Complete Homework - Due Jan 10th

# Introduce new Students!

Welcome Luc, Charlotte, Cophine!

State your name clearly pronouncing first and last names

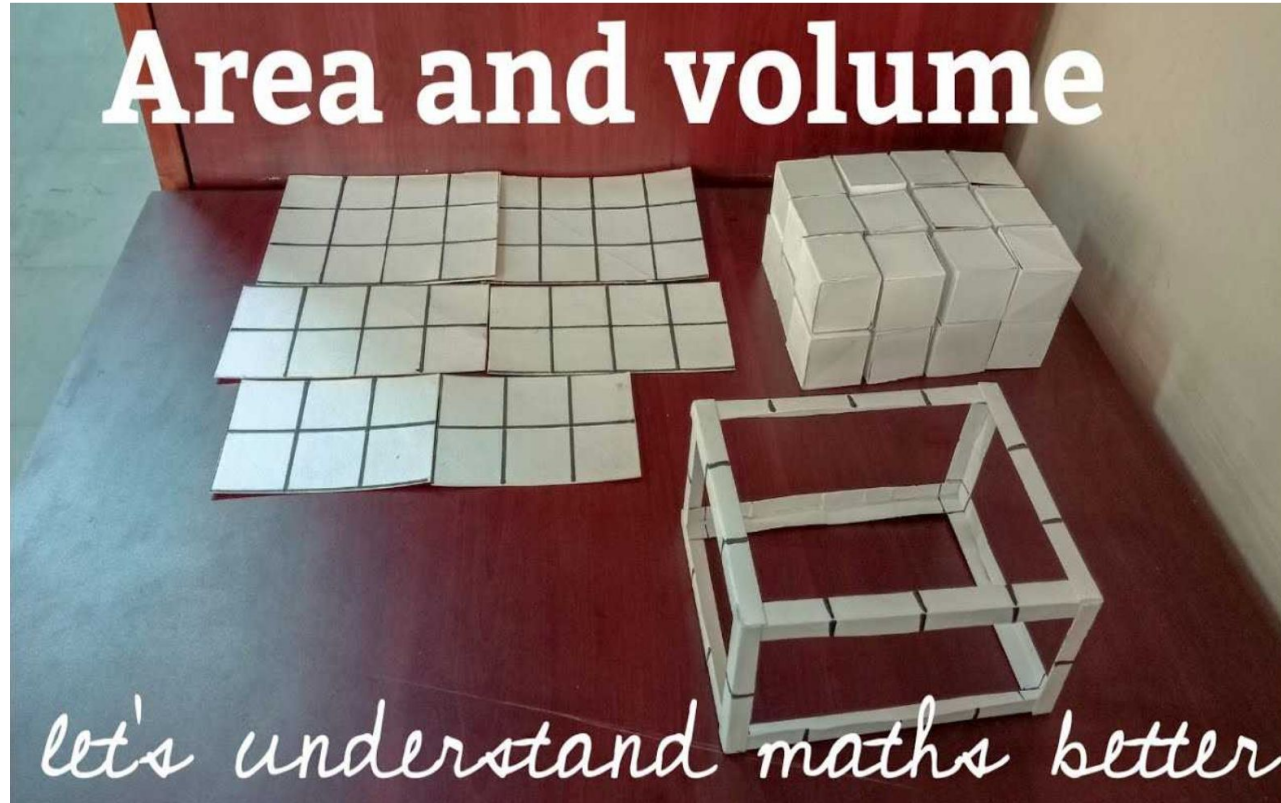
How would you like to be addressed?

Your personal pronouns

Something interesting or special/peculiar about you?

What are your expectations from this class?

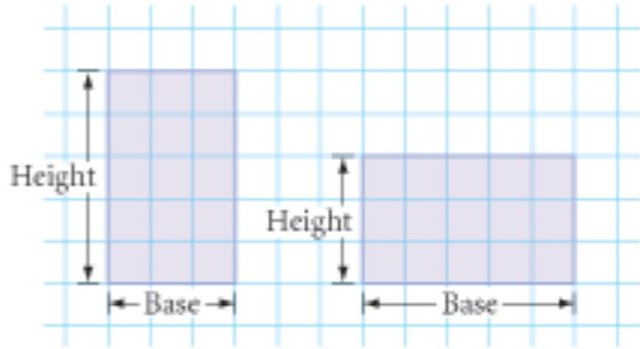
Perimeter Area Volume - What are these? Units?



# How many tiles Investigation

- Get handout from Chandru or [print from GC](#)
- Hint for #5:
  - poster: 2x3ft, postcard: 4x6", queen bedsheet: 60x80", stamp: 1x1.5"
- Hint for #8:
  - Think of cutting out 1 triangle from one side of parallelogram and rearranging

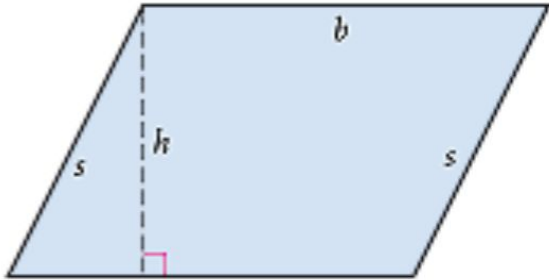
# Area of Rectangle & Parallelogram Conjectures



## Rectangle Area Conjecture

C-74

The area of a rectangle is given by the formula  $A = bh$ , where  $A$  is the area,  $b$  is the length of the base, and  $h$  is the height of the rectangle.



## Parallelogram Area Conjecture

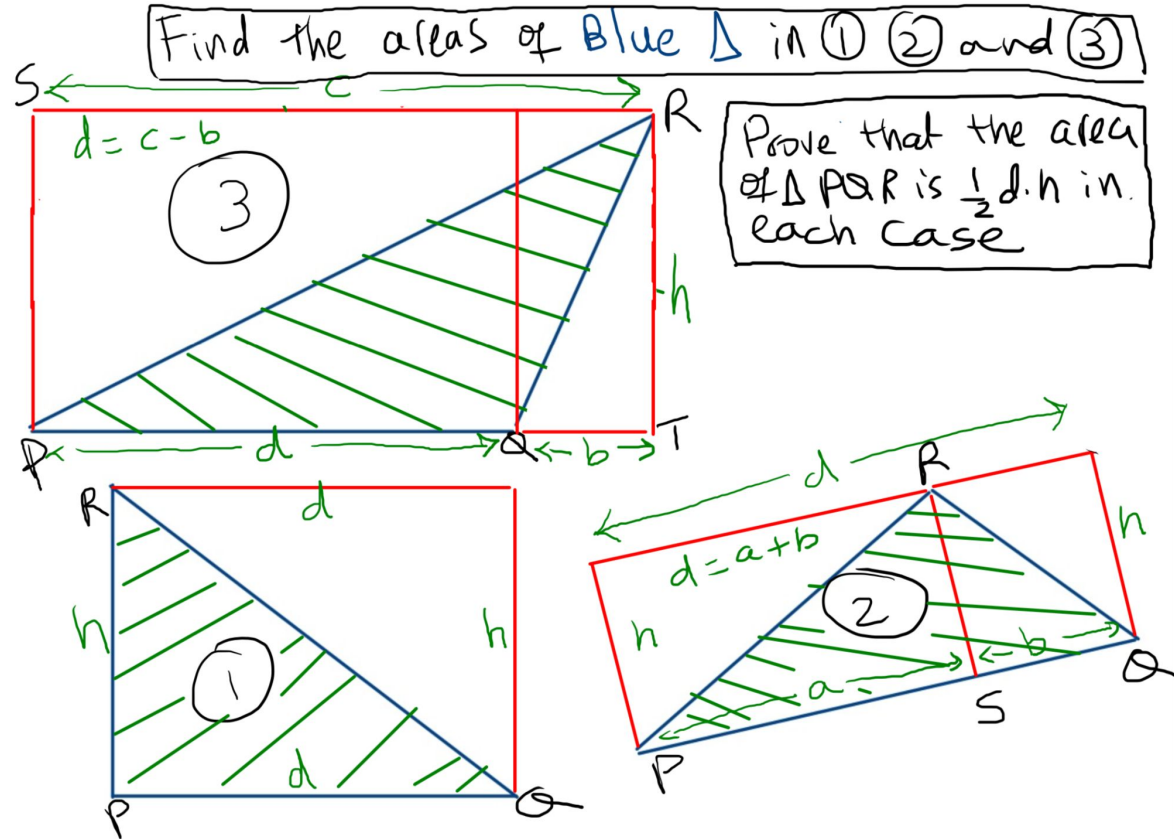
C-75

The area of a parallelogram is given by the formula  $A = bh$ , where  $A$  is the area,  $b$  is the length of the base, and  $h$  is the height of the parallelogram.



# Derive Area of any Triangle based on Rect area

## Conjectures



# Reminders!

## Reminders

[Complete How many Tiles Investigation](#) - Due today

[Complete Rect & Parallelogram Areas Homework](#) - Due Jan 10th