Bacich Elementary School

Elementary Math Showcase

Background Information

Last math pilot was 2014-2015

Adopted Eureka Math, Fall 2015.
Eureka Math, formally *EngageNY*, is the most widely used math curriculum in the country.

Source:
https://greatminds.org/math/eurekamath/engageny-math-is-eureka-math

Common practice to examine curriculum programs

New CA Mathematics Framework, July 2023

The Pilot Process

1. Work began in the **2022-2023** school year.

   - Identify prospective curriculum
   - Read the reviews on EdReports
   - Connect with neighboring schools

2. **Spring-Summer 2023**

   - Budget and order materials
   - Identify pilot teachers
   - Collaborate with colleagues at Kent on a pilot rubric
   - Pilot teachers begin initial pilot professional development

Pilot Curriculum

Illustrative Mathematics

Eureka Math 2

Big Ideas Learning: Math&You

The Pilot Process Continued

3. **Fall 2023**

- Phase 1: Two curriculums piloted simultaneously: *Eureka Math 2*, and *Illustrative Mathematics*
- Phase 2: (mid-October) Third final curriculum pilot: *Math & You*

4. **Winter 2023-2024**

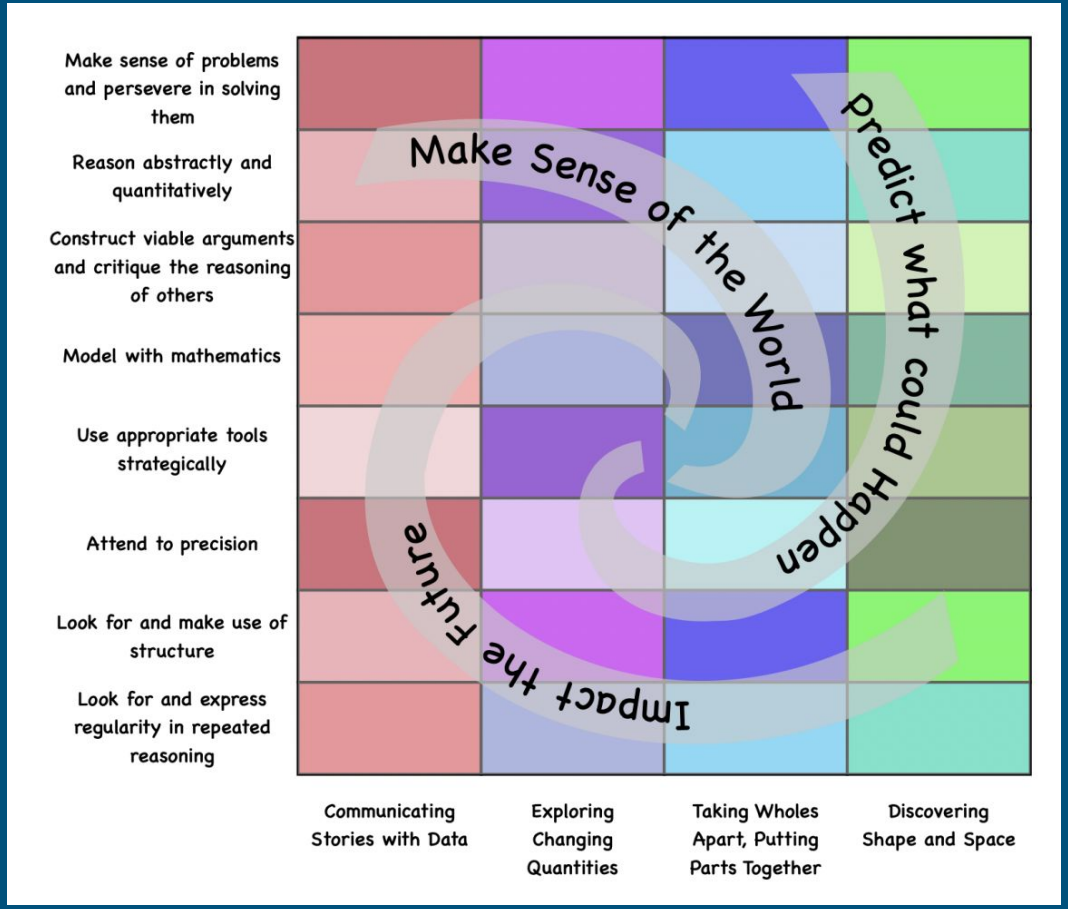
- Final pilot report and rubric analysis (December 2023)
    - Next steps: reach out to local districts about pilot planning
- Gather information on additional curriculum the team is interested in exploring
- Meet with curriculum publishers

5. **Spring 2024**

- Explore potential pilot curriculum
- Select two curriculum for pilot (Fall 2024)

California Mathematics Framework

July 2023 the State Board of Education (SBE) adopted the *Mathematics Framework for California Publics Schools: Kindergarten Through Grade Twelve (Mathematics Framework).*



Evaluation Process

Rubric co-created with our colleagues from Kent
Highlights include:

- Align with CA Common Core Standards
- Evaluating materials for rigor
- Engaging

Pilot team met in **December** to share rubric results and feedback

Spring 2024: Select two curriculum to pilot in the fall

- Order materials

Fall 2024 - Pilot
December 2024 - Rubric Analysis

Do The Math

Math Intervention - WIN Time

Helping students develop numerical reasoning to find the best strategy for problem solving.

30 half hour lessons per module.

- Addition and Subtraction
- Multiplication
- Division
- *Option for **Fractions** in the future

Pre and post module assessments

Every 5th lesson offers an assessment to monitor progress

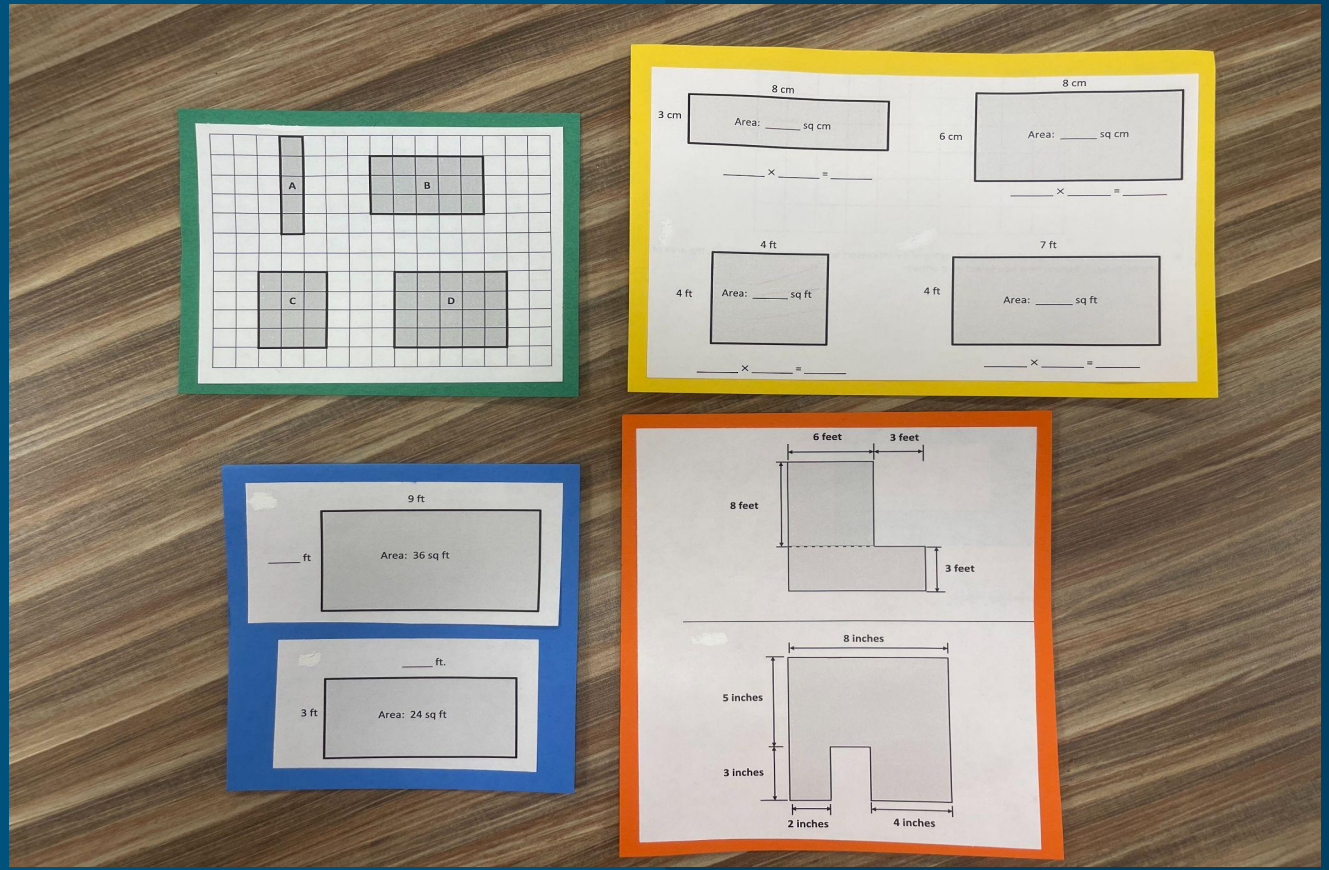
Hands on learning (i.e. games, manipulatives)

Strengthen vocabulary

Build student confidence

Approximately **124 students** have received math intervention through WIN time this year.

3rd grade: AREA - Progression of Module



3rd Grade

Dream House Project

This is the final project students create at the end of Module 5, Area

Multiplication - Show Your Work

Name:

Kitchen
A=28sq.ft

Starbucks room
A=15sq. ft

Taylor swift room
A=24sq. ft

Bedroom
A=30sq.ft

Tramp room
A=24sq.ft

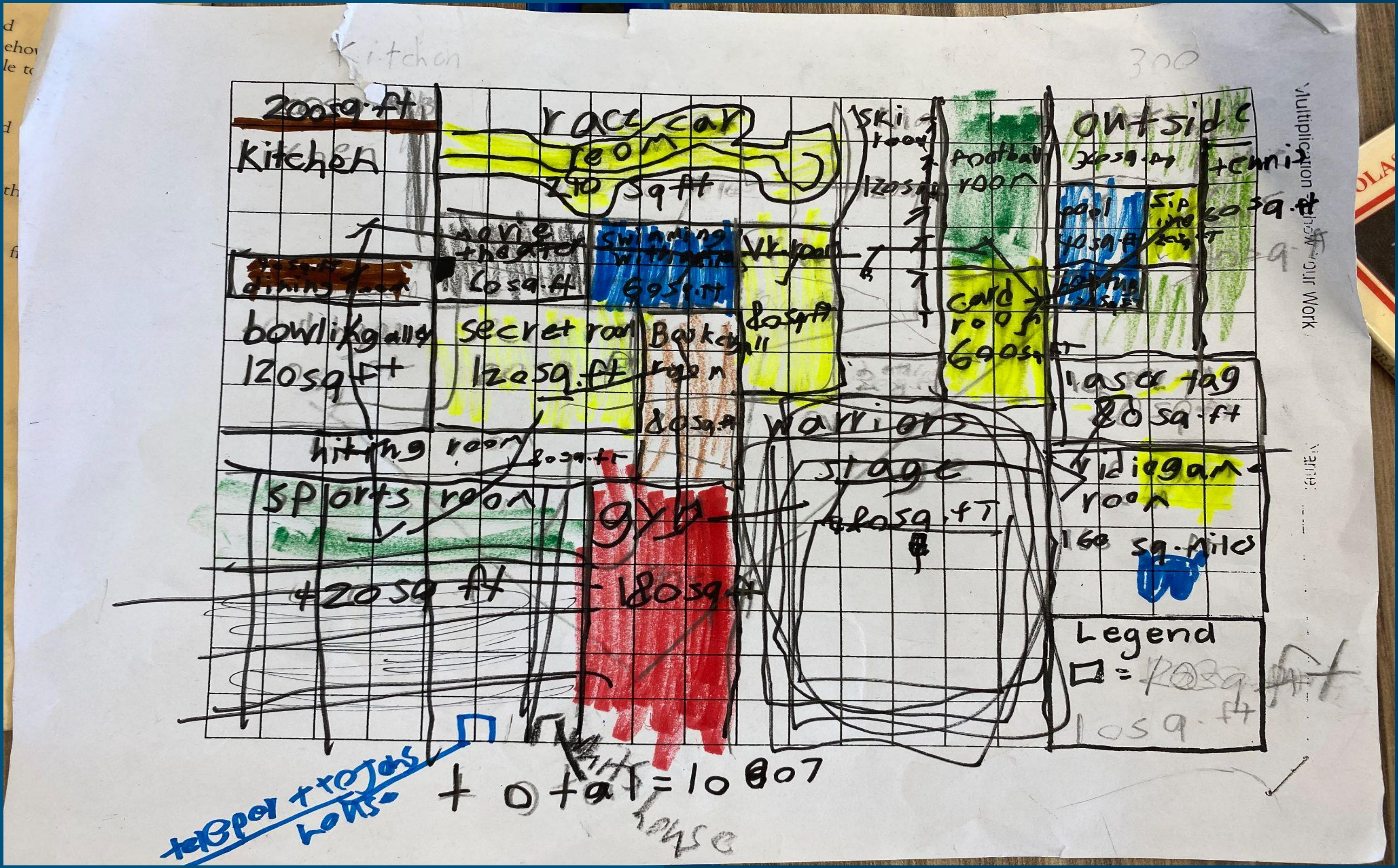
Bathroom
A=18sq.ft

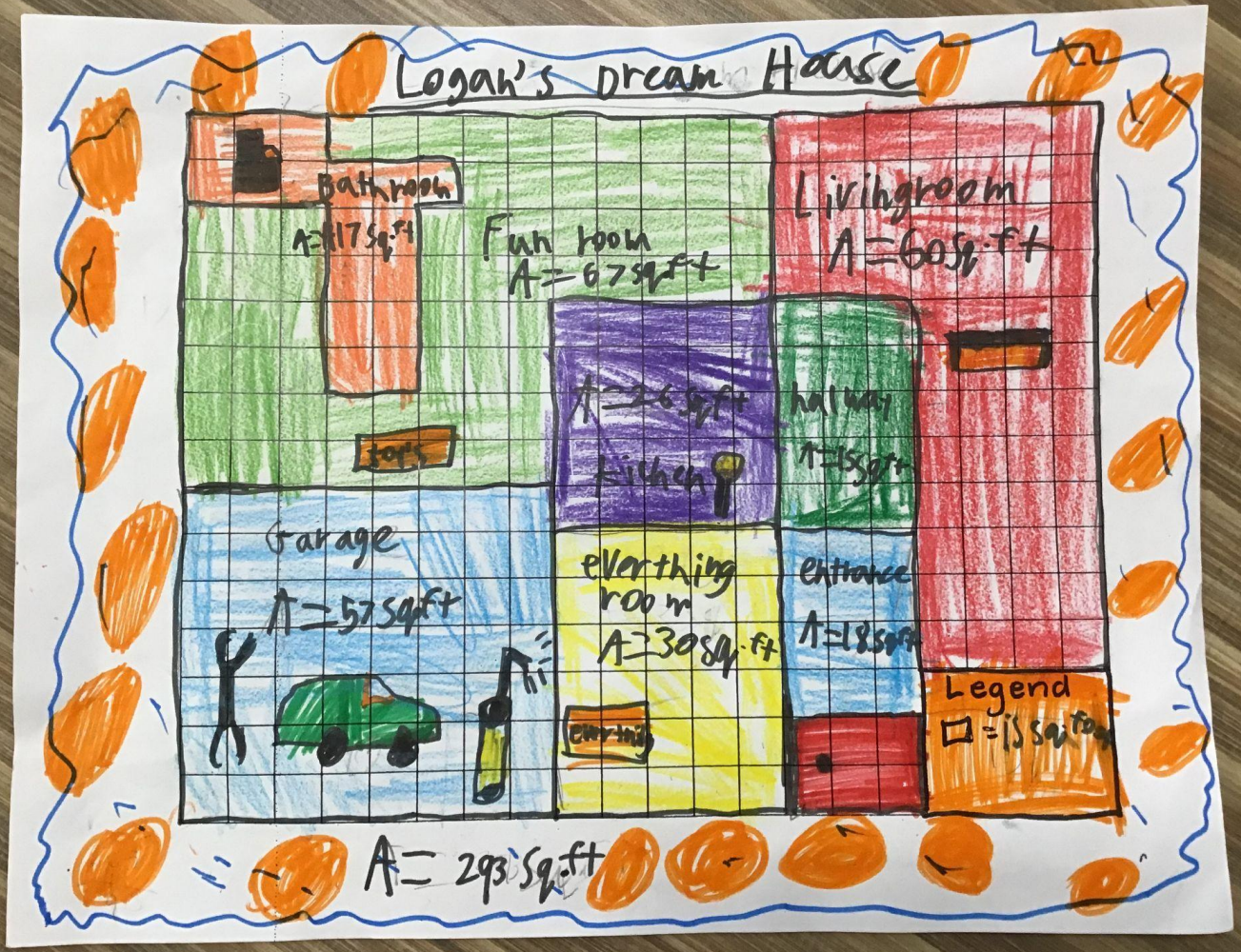
Spa
A=35sq.ft

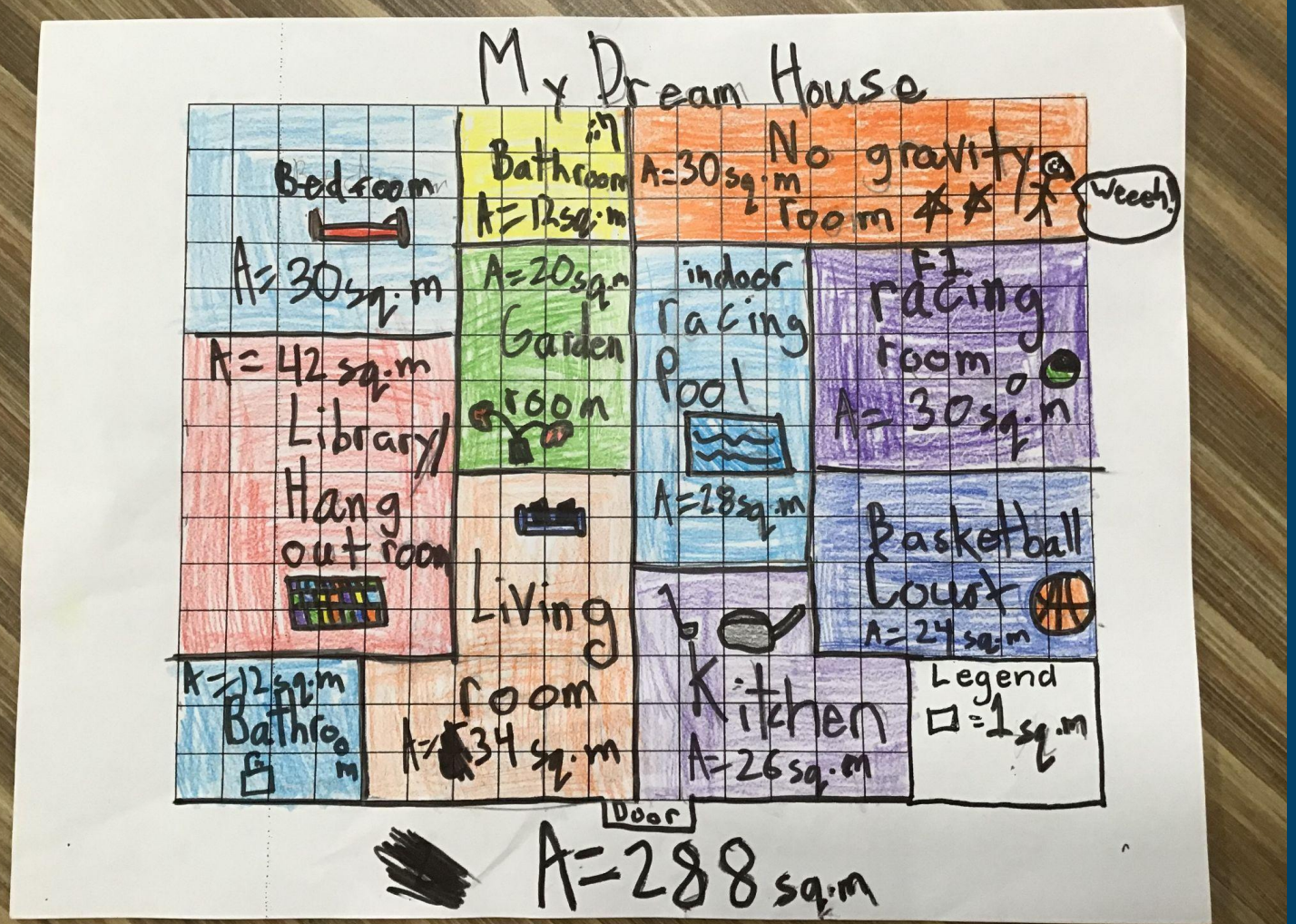
Sephora room
A=8sq.ft

Beach room
A=16sq.ft

Legend
□ = 1 sq.ft


Kitchen
200 sq.ft
race car room
290 sq ft
ski room
120 sq ft
football room
outside
tennis
pool
movie theater
60 sq.ft
swimming
VR room
80 sq ft
dining room
bowling alley
120 sq ft
secret room
120 sq.ft
card room
600 sq ft
laser tag
80 sq.ft
warriors
stage
hitting room
sports room
gym
180 sq.ft
420 sq ft
video game room
Legend
total = 10807
Multiplication
Show Your Work
Name:

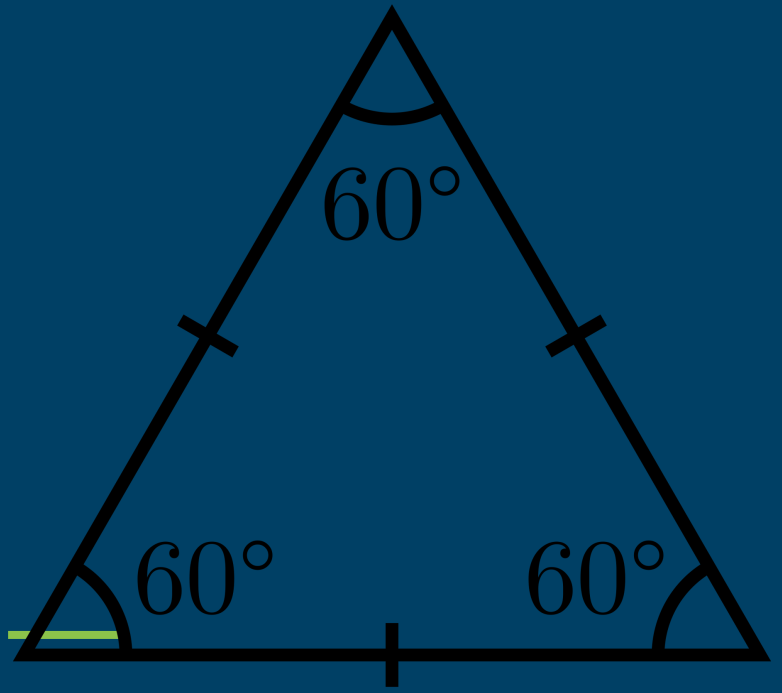

Logan's Dream House
Bathroom
A=117 Sq.ft
Fun room
A=67 sq.ft
Livingroom
A=60 Sq.ft
A=36 sq.ft
kitchen
hallway
A=15 sq.ft
Garage
A=57 sq.ft
everything room
A=30 Sq.ft
entrance
A=18 sq.ft
Legend
A=293 Sq.ft


My Dream House
Bedroom
A=30sq.m
Bathroom
A=12sq.m
A=30sq.m
No gravity room
Weeeh!
A=20sq.m
Garden room
indoor racing Pool
A=28sq.m
F1 racing room
A=30sq.m
A=42sq.m
Library
Hang out room
Living room
A=34sq.m
Basketball Court
A=24sq.m
A=12sq.m
Bathroom
Kitchen
A=26sq.m
Legend
□=1sq.m
Door
A=288sq.m

Lines, Angles, and Shapes!

4th Grade

Geometry



4th Grade

G.L.A.D. STRATEGIES

Guided Language Acquisition Design

- ELD
- Kinesthetic
- Repetition
- Frontload Academic Vocabulary

4th Grade

G.L.A.D. STRATEGIES

Chants

-

4th Grade

Word Problems

- Recognizing different learning styles
- Teach multiple strategies
- RDWW (Read, Draw, Write a Number Sentence, and write a statement).
-

4th Grade

Solving Word Problems

Mr. Goggins set up 32 rows of chairs in the gymnasium. If each row had 35 chairs, how many chairs did Mr. Goggins set up? Solve using an area model or partial products method.