Interactive Mathematics Using Online GeoBoard

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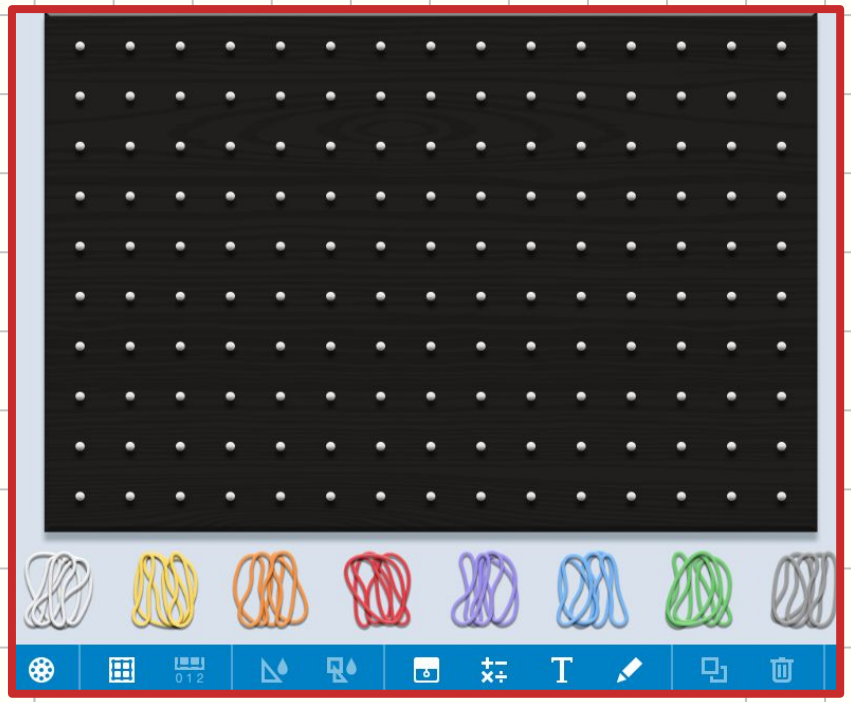
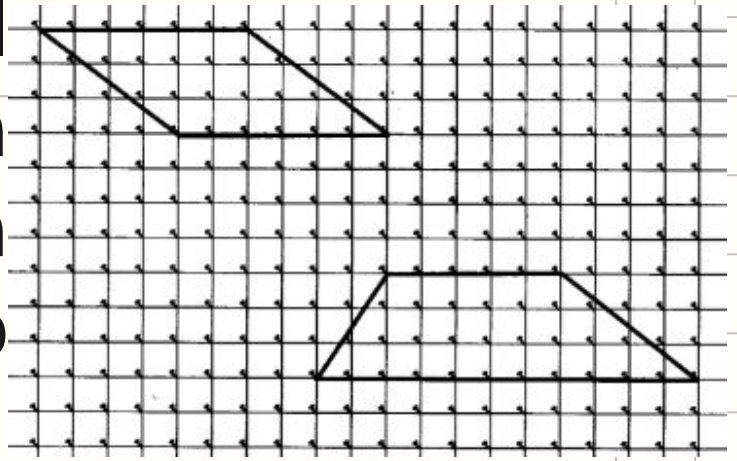
National ICT Awardee

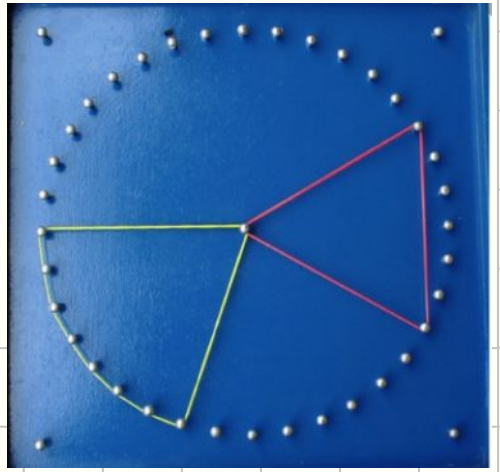


What is a GeoBoard?

It is a Mathematical tool which is made up of a board in which nails are half driven and we use rubber bands to create shapes using nails.



We can have a rectangular GeoBoard or a Circular GeoBoard.



Teaching in an Online Environment

How to make it effective, engaging, more meaningful?

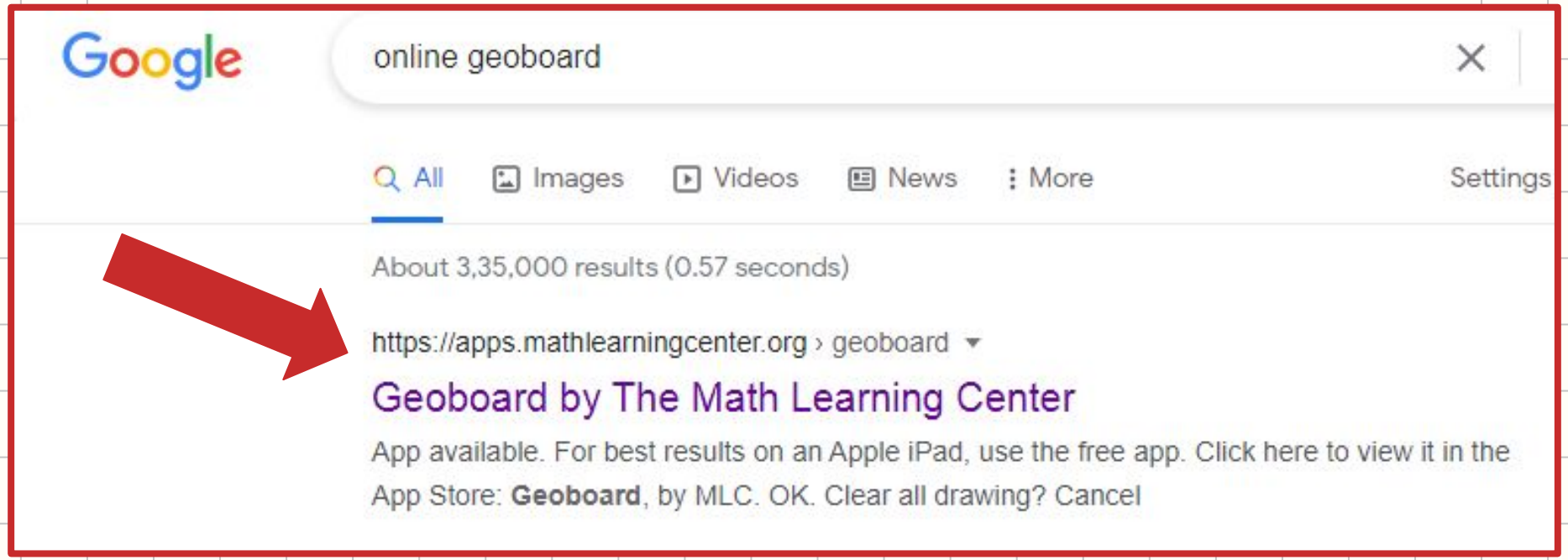
Three components of Maths Learning

- Vocabulary
- **Concepts and Processes**
- Application

Teaching in an Online Environment

Interactive Online GeoBoard

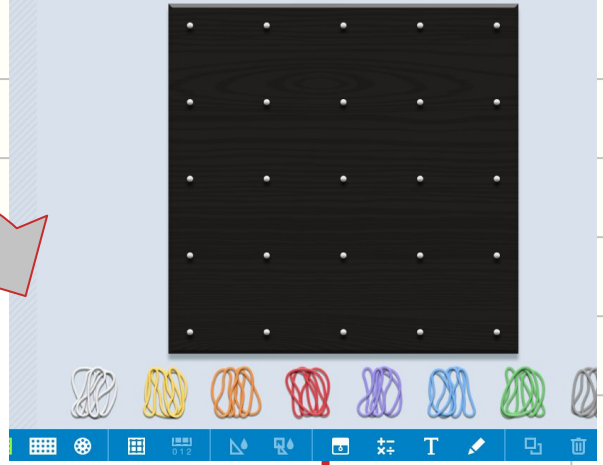
How to Begin ?


Google
online geoboard
All
Images
Videos
News
More
Settings
About 3,35,000 results (0.57 seconds)
https://apps.mathlearningcenter.org › geoboard
Geoboard by The Math Learning Center
App available. For best results on an Apple iPad, use the free app. Click here to view it in the App Store: Geoboard, by MLC. OK. Clear all drawing? Cancel

How to begin?

Visit the Direct link
https://www.mathlearningcenter.org/apps

Select GeoBoard



SUPPORTS SHARING!

Geoboard

The Geoboard app is a tool for exploring a variety of mathematical topics introduced in the elementary and middle grades. Learners stretch bands around the pegs to form line segments and polygons and make discoveries about perimeter, area, angles, congruence, fractions, and more.

Open Web App

Apple App Store

Chrome Store

Select GeoBoard-> Chrome Store

Open Web App

Apple App Store

Chrome Store

chrome web store

rashmi.kathuria@khms

Home > Apps > Geoboard, by The Math Learning Center

Geoboard, by The Math Learning Center

Add to Chrome

Offered by: https://www.mathlearningcenter.org

★★★★☆ 24 | Extensions | 500,000+ users

Runs offline

Overview Reviews Support Related

How to begin?

Visit the Direct link

https://apps.mathlearningcenter.org/geoboard/

Tool Bar

Toolbar Interface

Icon	Tool	Shortcut	Description
	Start Over	Esc	Clear the workspace or reload the Share Code.
	Board Shape	1 , 2 , 3	Choose square, large rectangle, or circle board.
	Grid	G	Show grid lines on boards.
	Grid Numbers	N	Show numbers along x- and y- axes.
	Fill Tool	F	Fill or unfill selected bands.
	Fill All Tool	A	Fill or unfill all bands on the board.

Tool Bar

	Cover Tool	H	Add a resizable cover to hide or show frames and counters.
	Math Text Tool	E	Open a keypad for creating expressions and equations. Using the keyboard to add numbers and symbols also works. ***Tip:*** *Double-tap your text to edit it.*
	Writing Tool	T	Enter text using your keyboard. ***Tip:*** *Double-tap your text to edit it.*
	Drawing Tools	W	Open or hide the drawing tools.
	Duplicate	D	Duplicate selected items.
	Trash	backspace, delete	Delete selected items.
	Share Code	K	Open shared work using a code.
	Share	S	Share your work with an image, a link, or a code.
	Info	I	View how-to and other information about this app.

What We can Explore?

Patterns

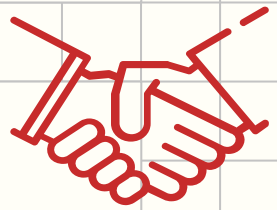
Symmetry

Fractions

Area and Perimeter

Counting

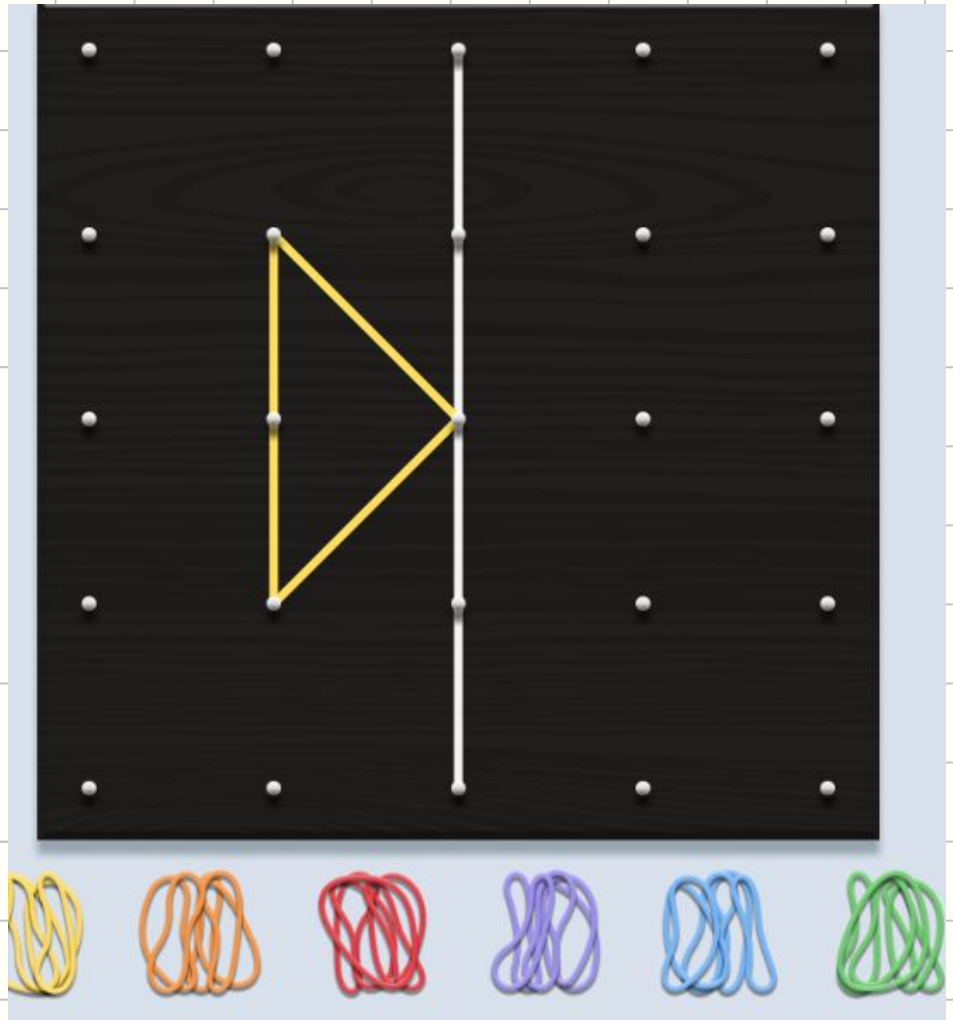
Geometry



Art and Mathematics

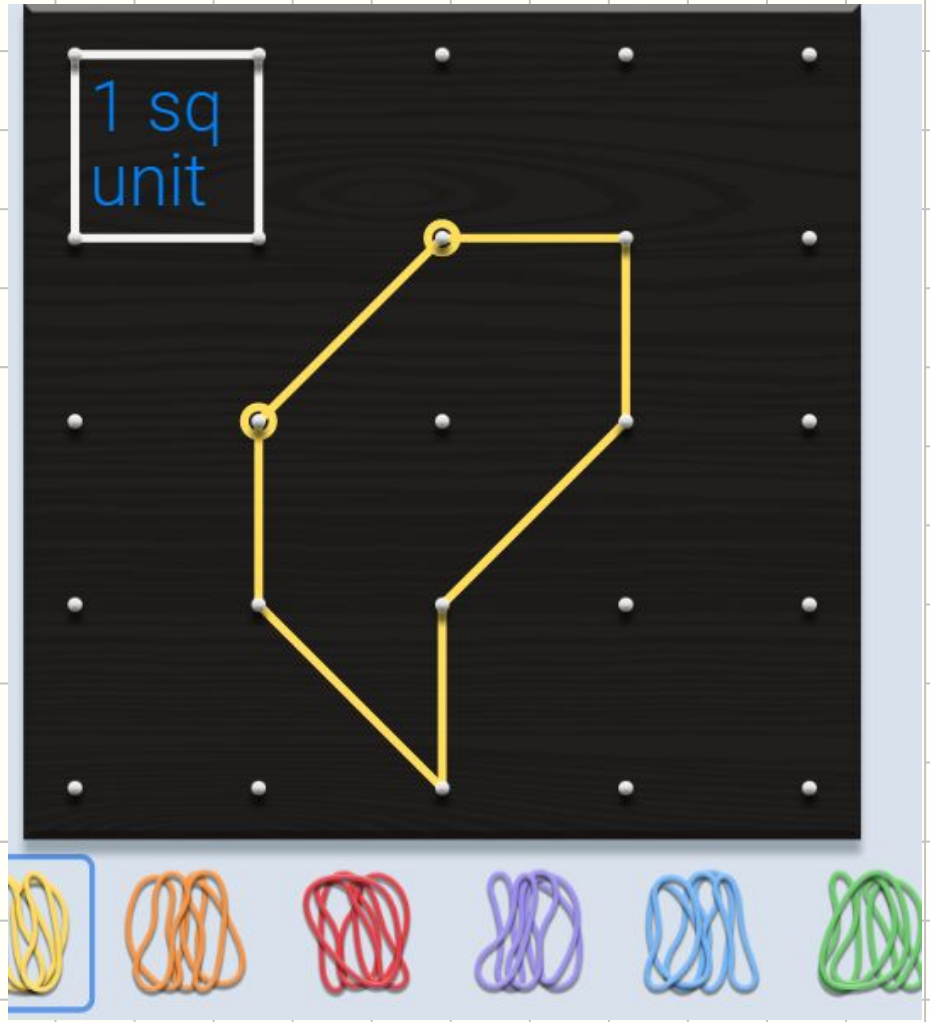
01

Symmetry



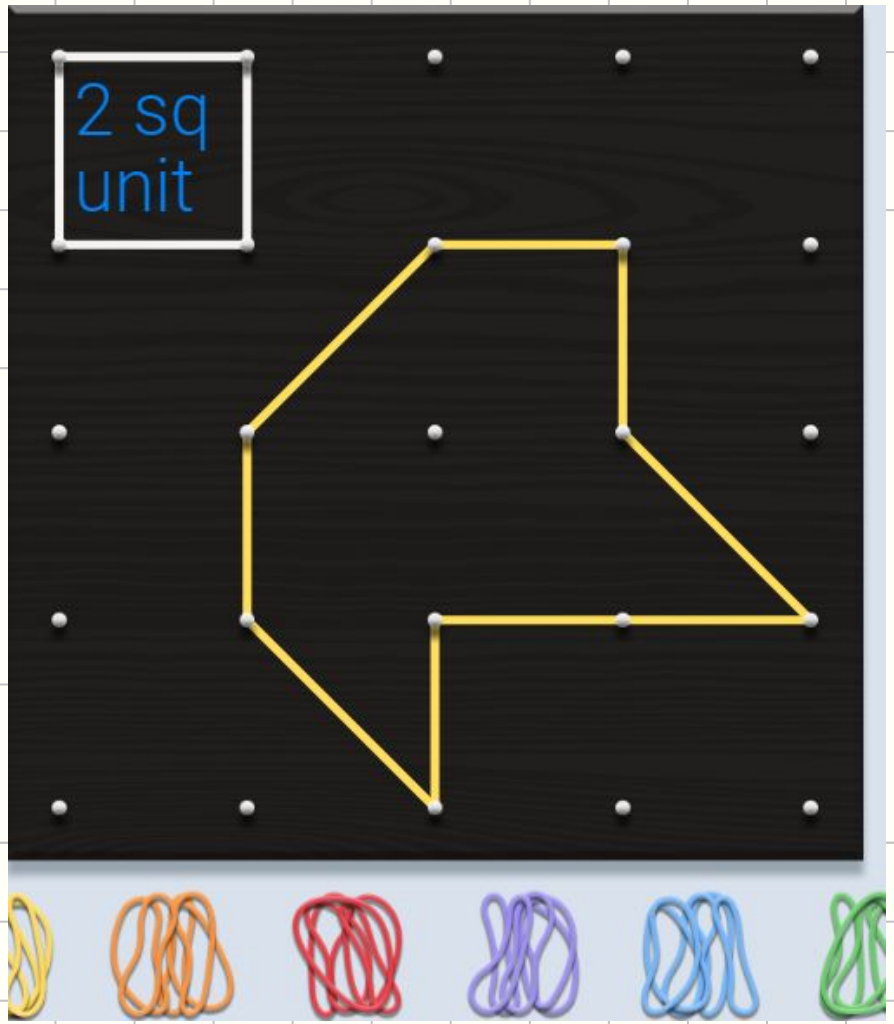
02

What is my Area?



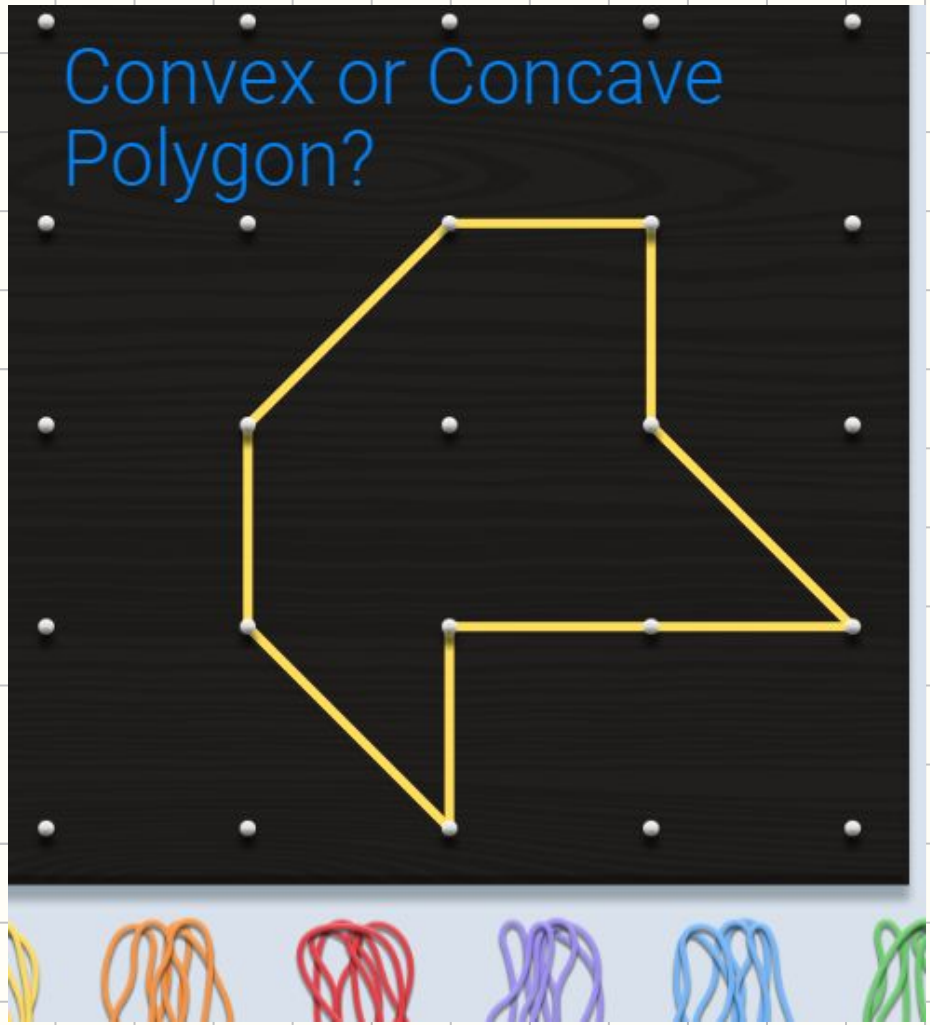
02

What is my Area?



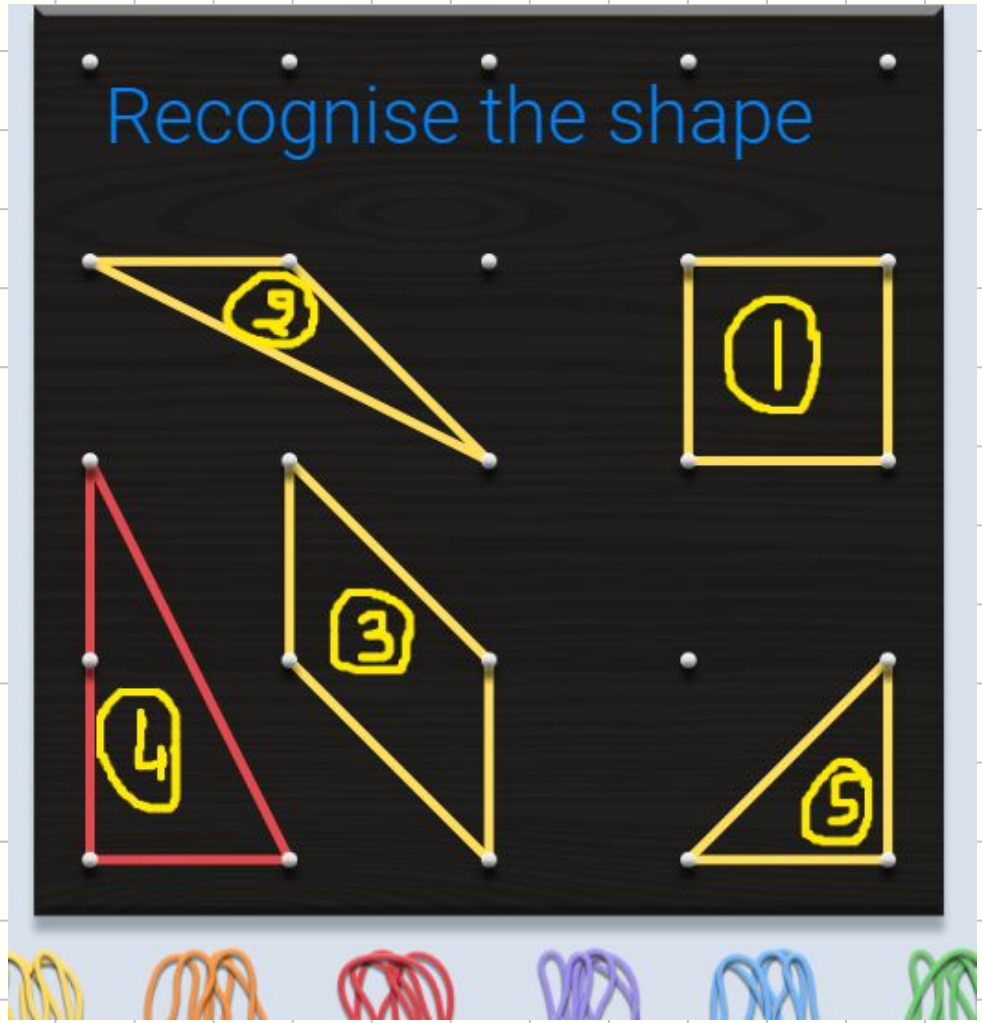
03

Thinking Question?



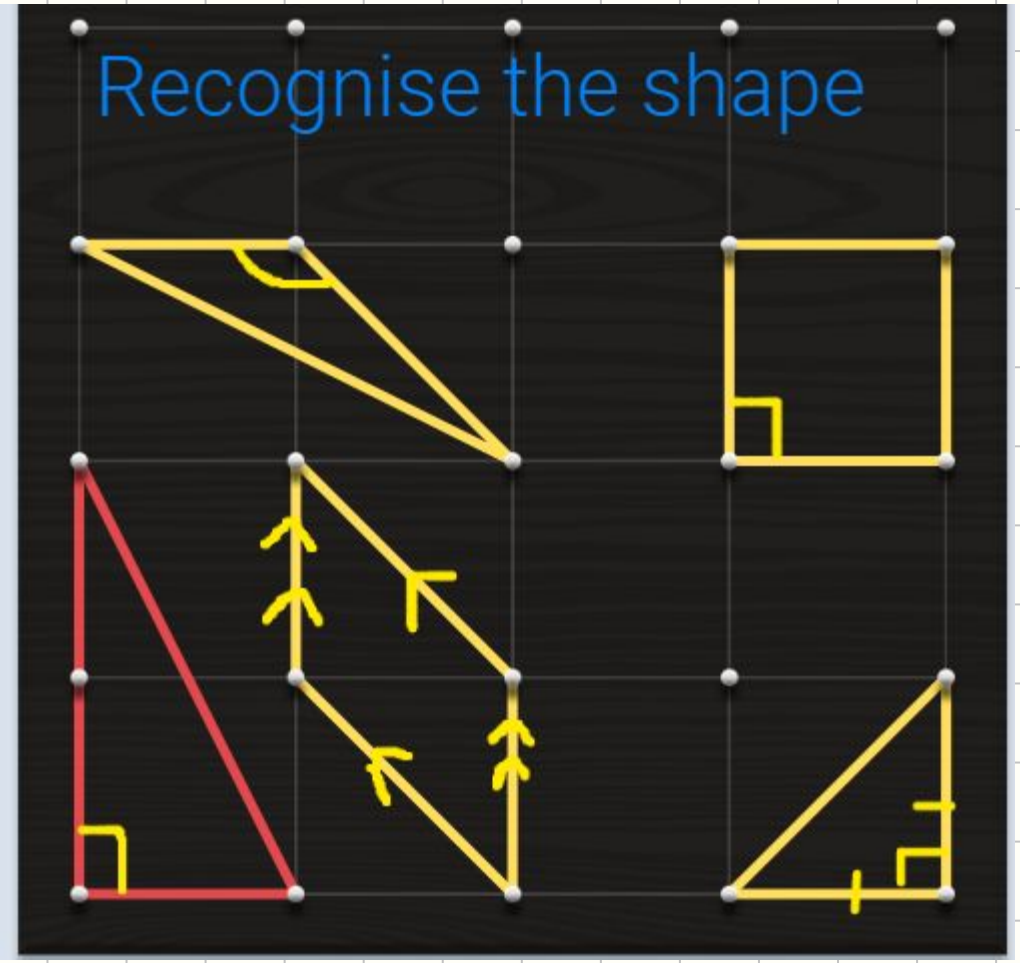
04

Recognise the shape



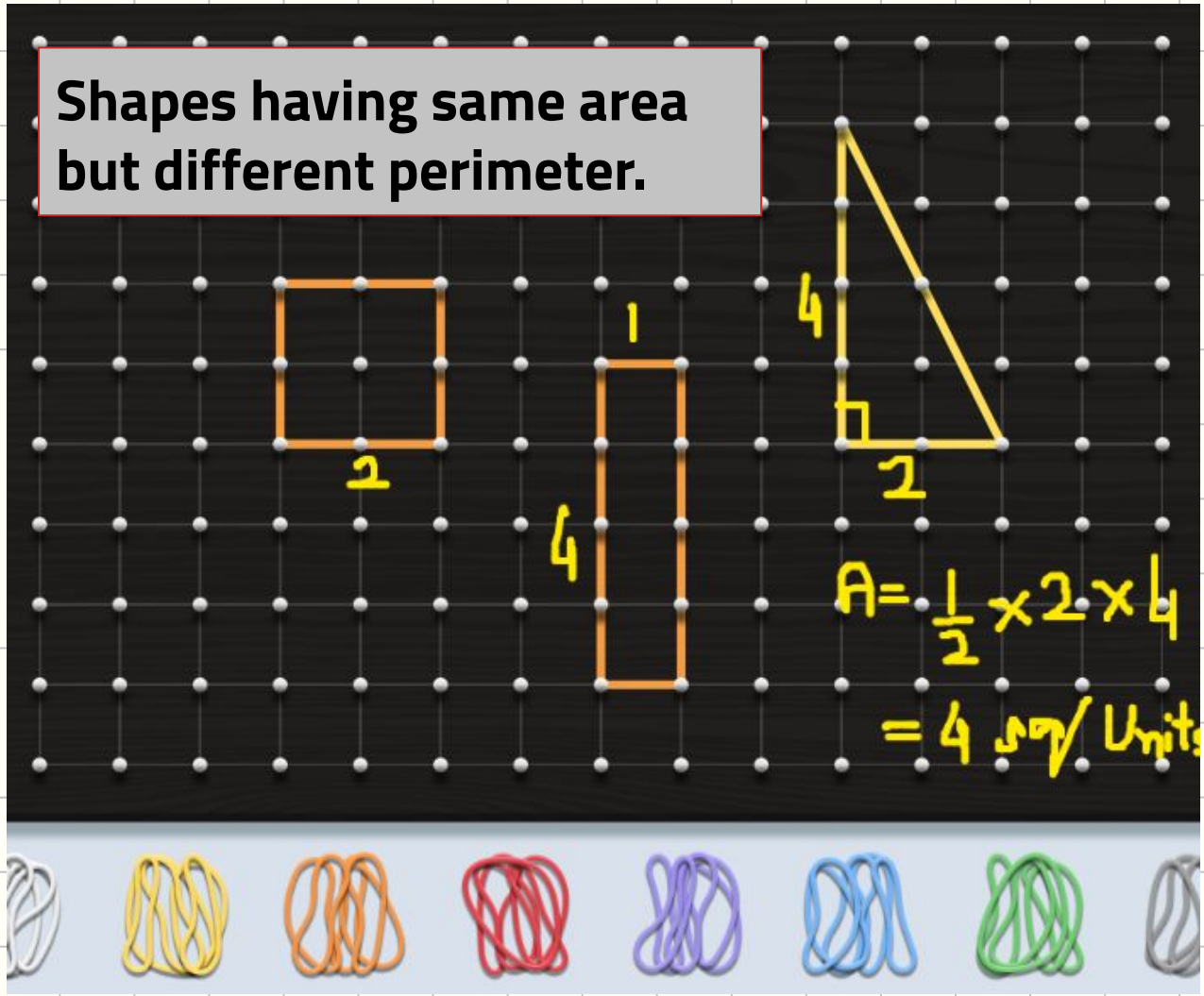
04

Recognise the shape



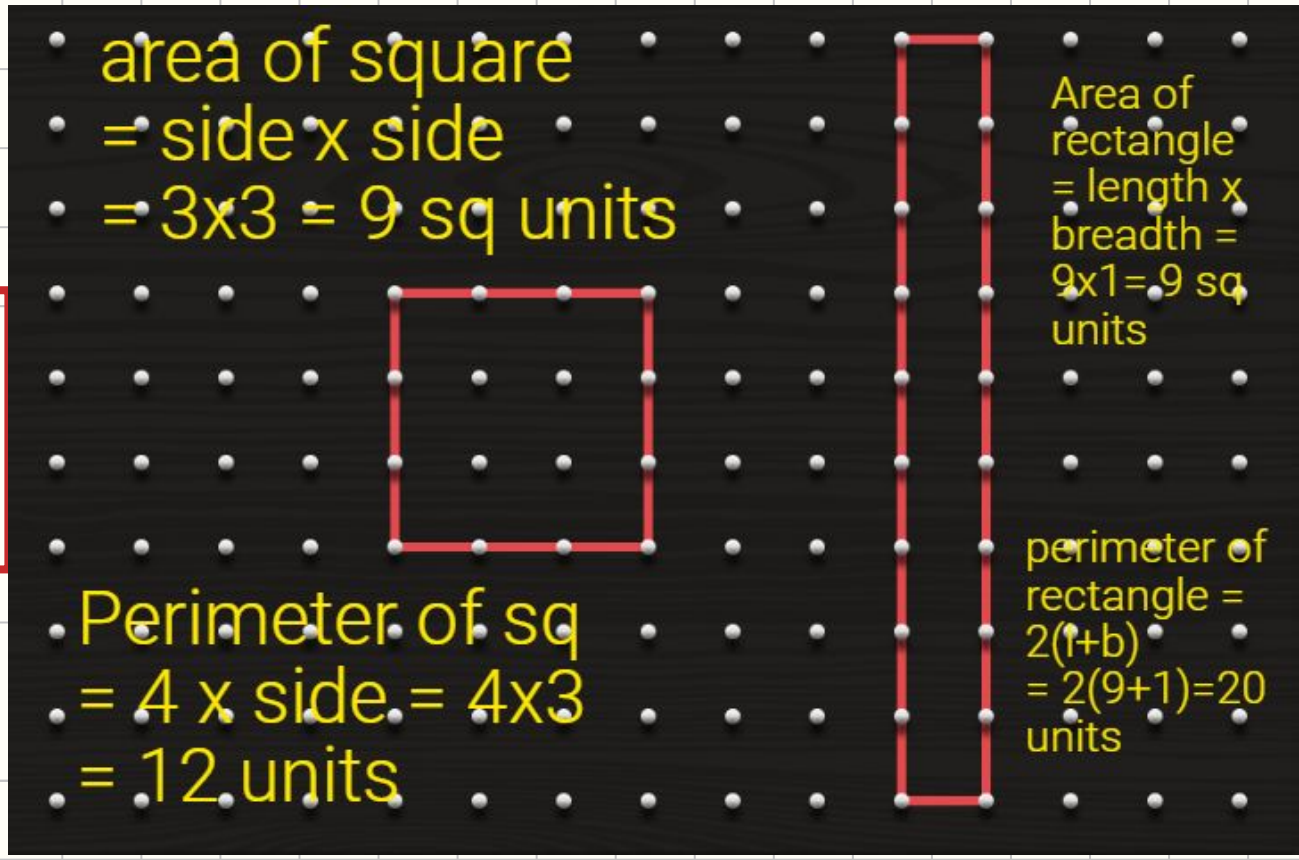
05

Explore


Shapes having same area but different perimeter.
2
1
4
4
2
A= 1/2 x 2 x 4
= 4 sq Units

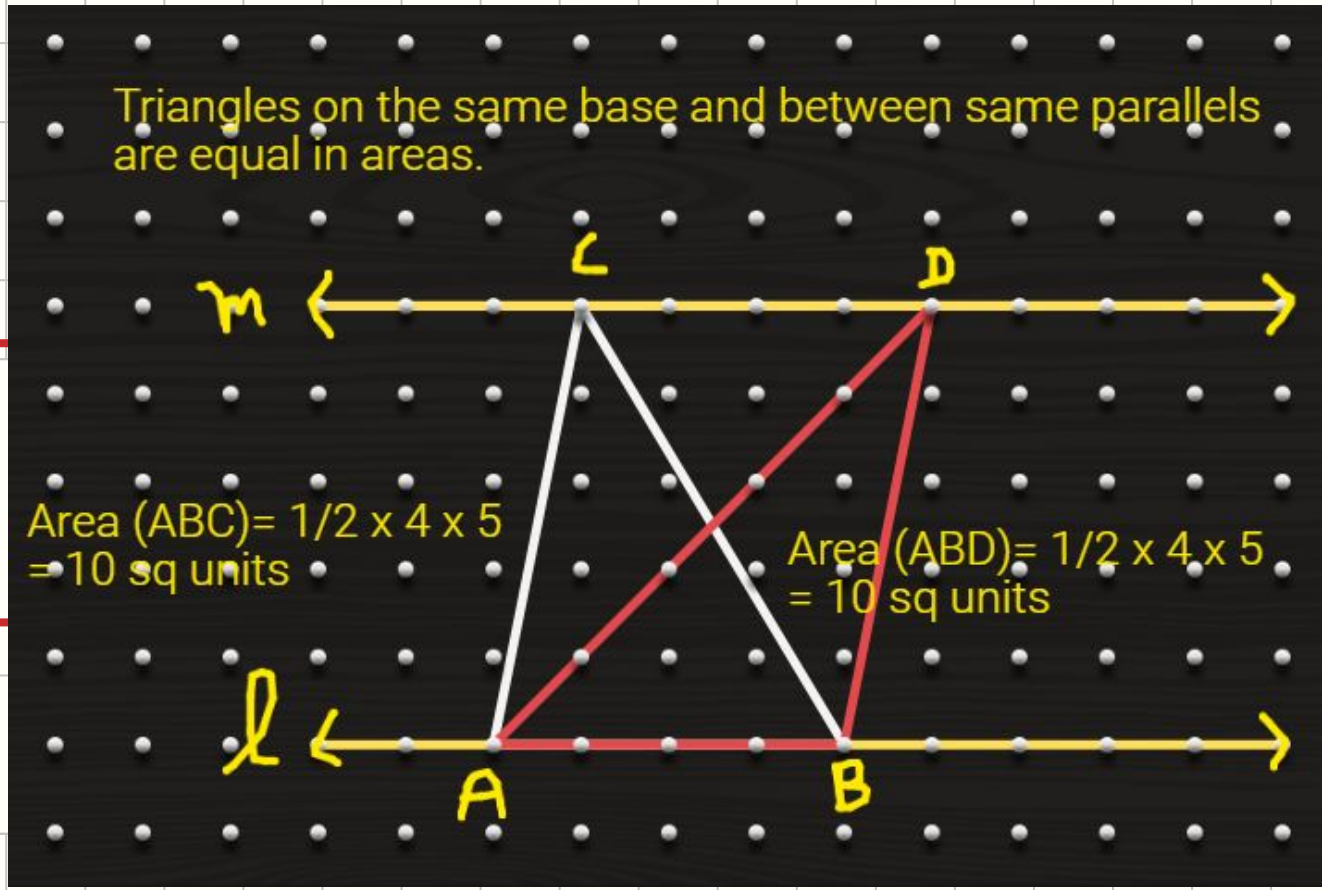
06

verification



06

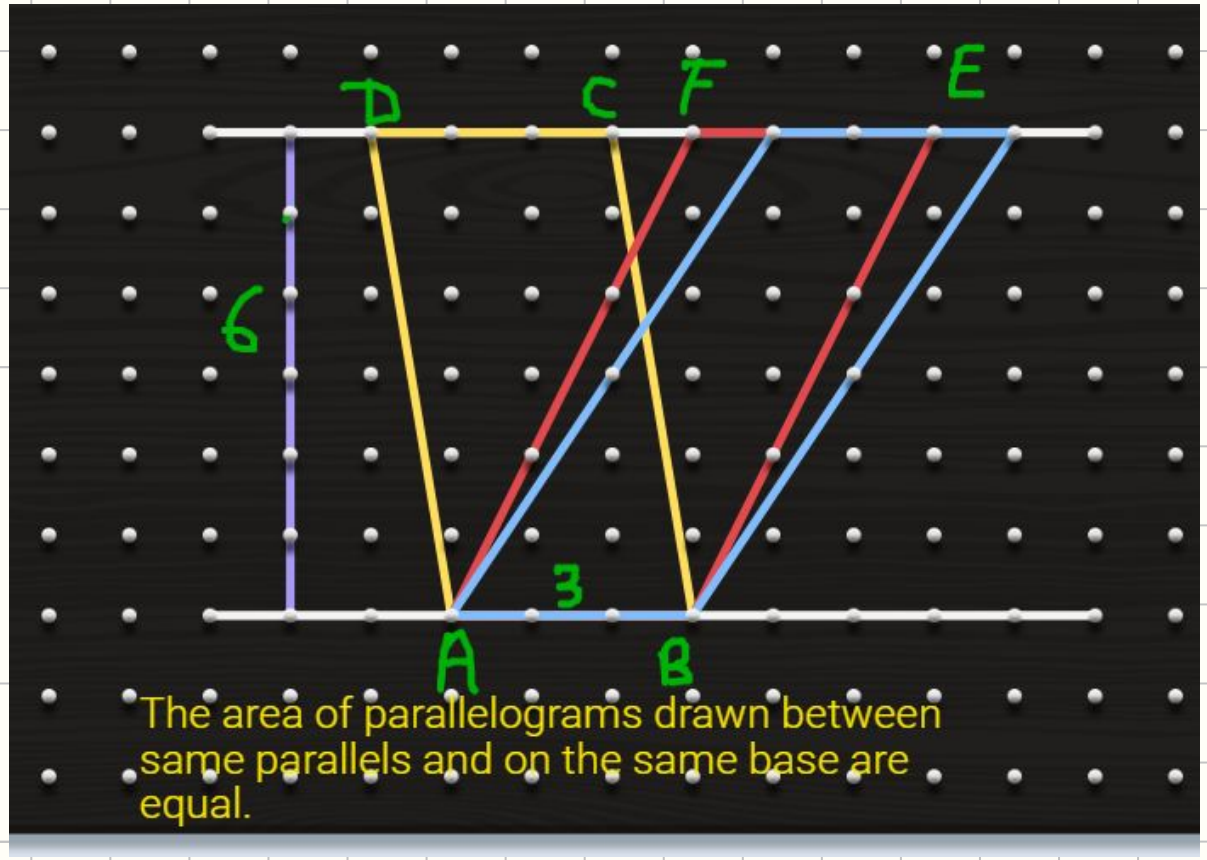
verification



https://apps.mathlearningcenter.org/geoboard/?3bh3ddqv

06

verification



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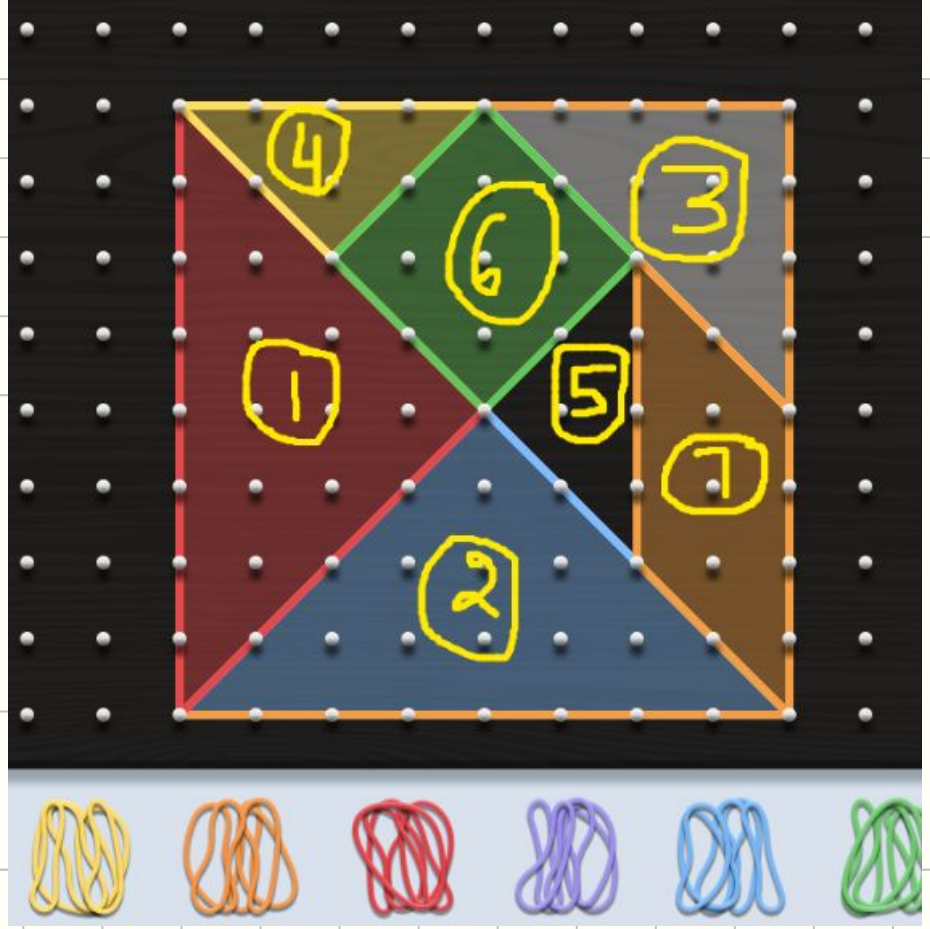
07

Recreation



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07

Recreation

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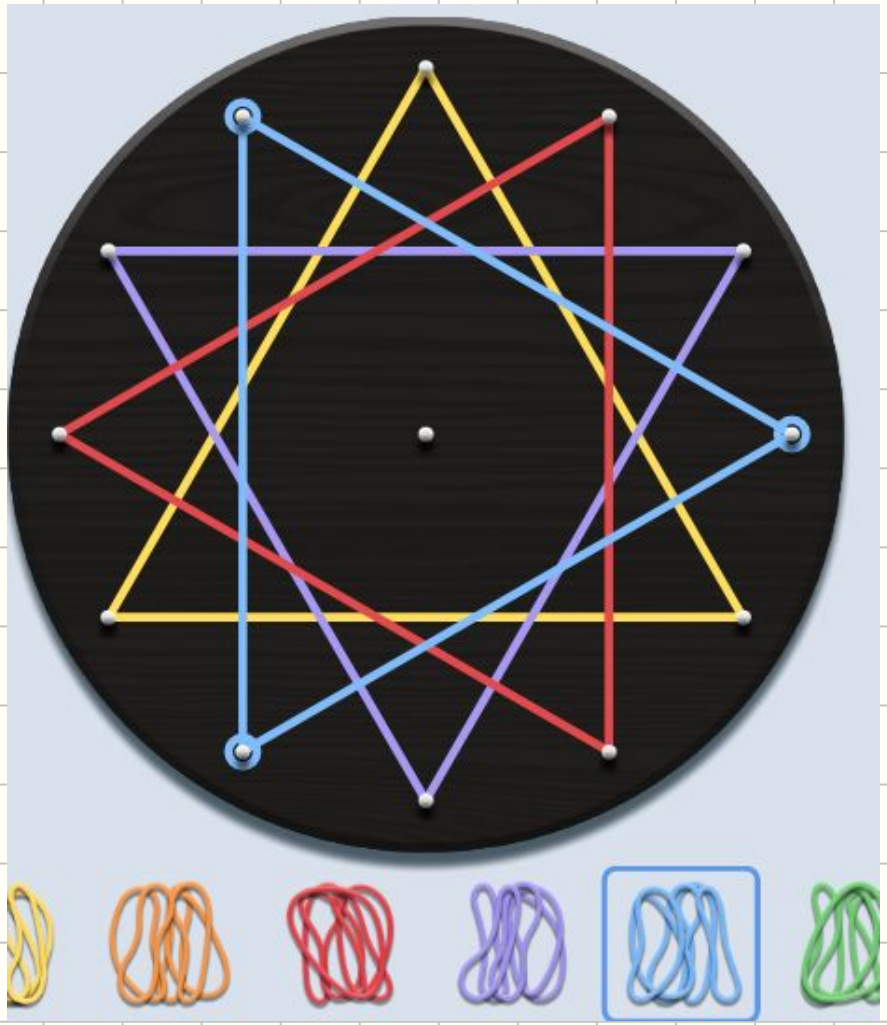

07

Recreation

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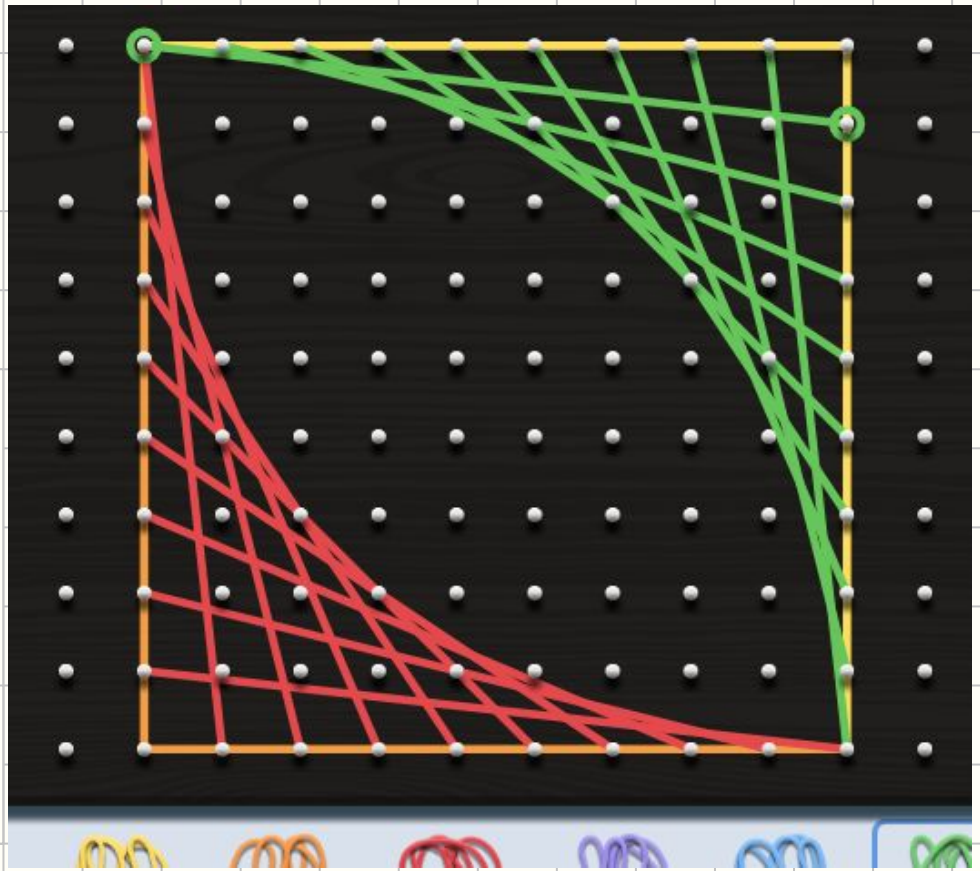

07

Recreation

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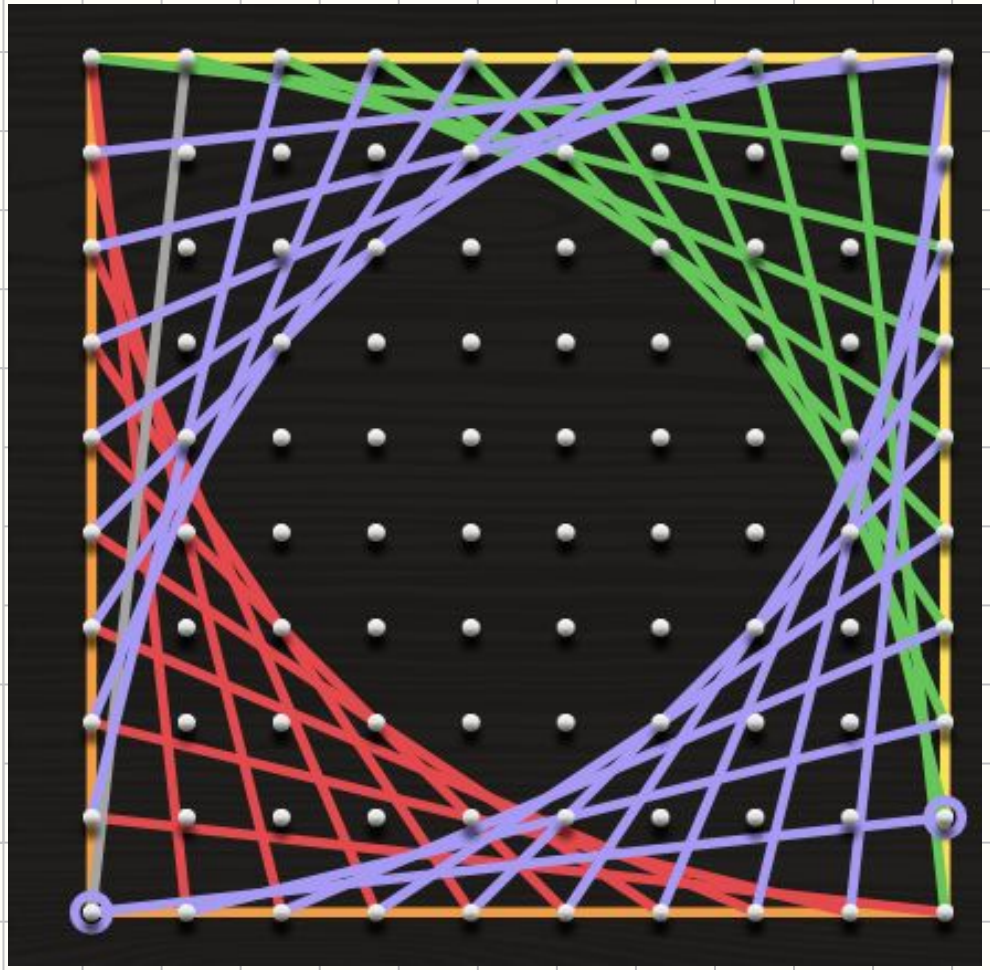
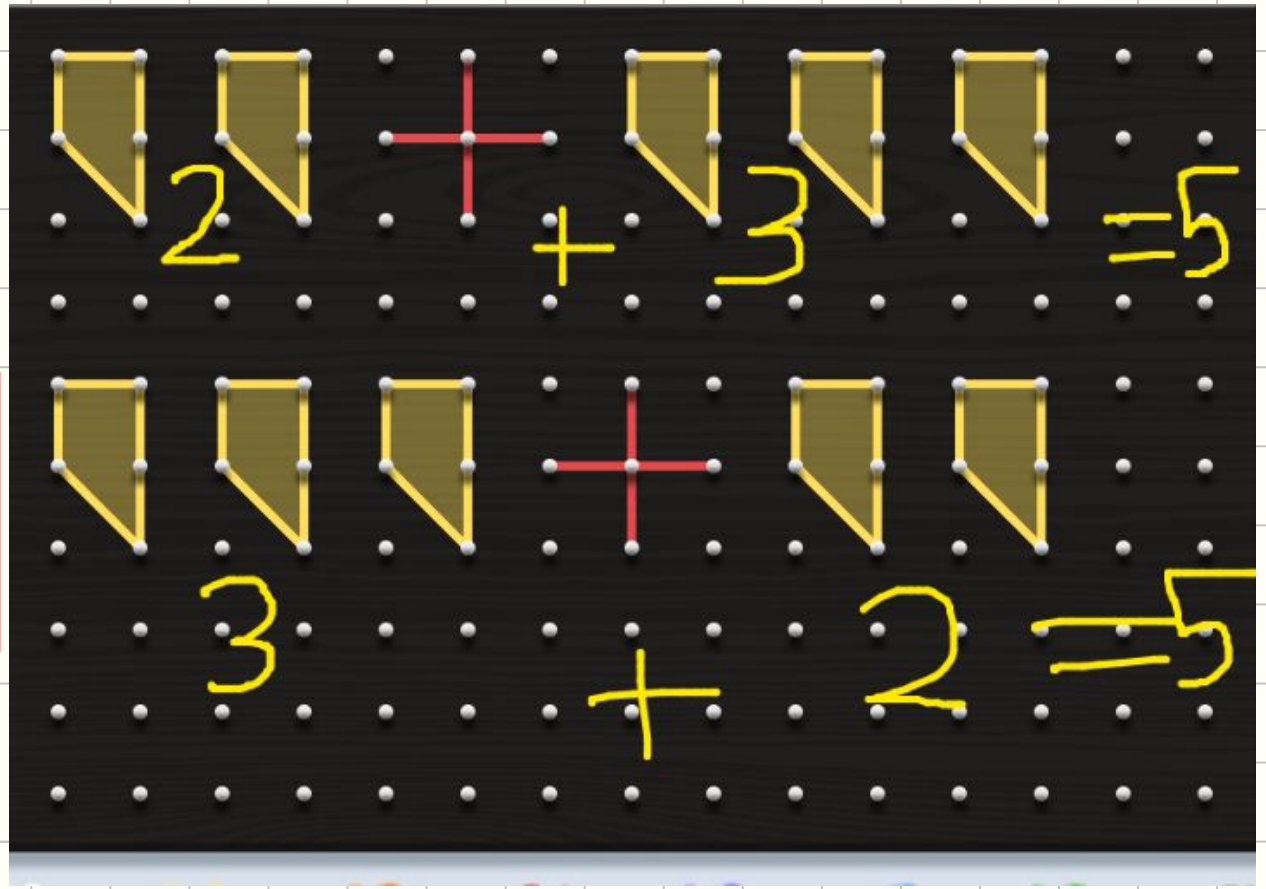


08

Math Concepts



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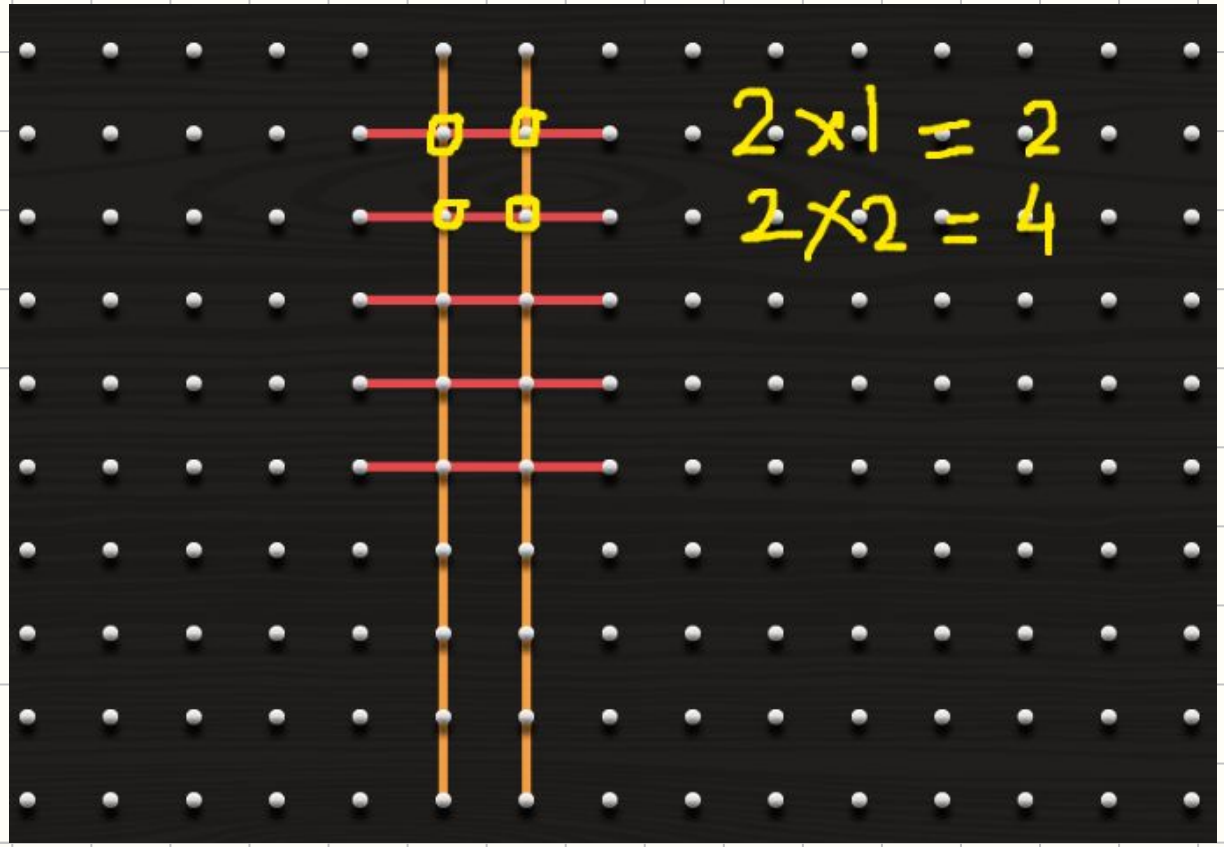
08

Math Concepts



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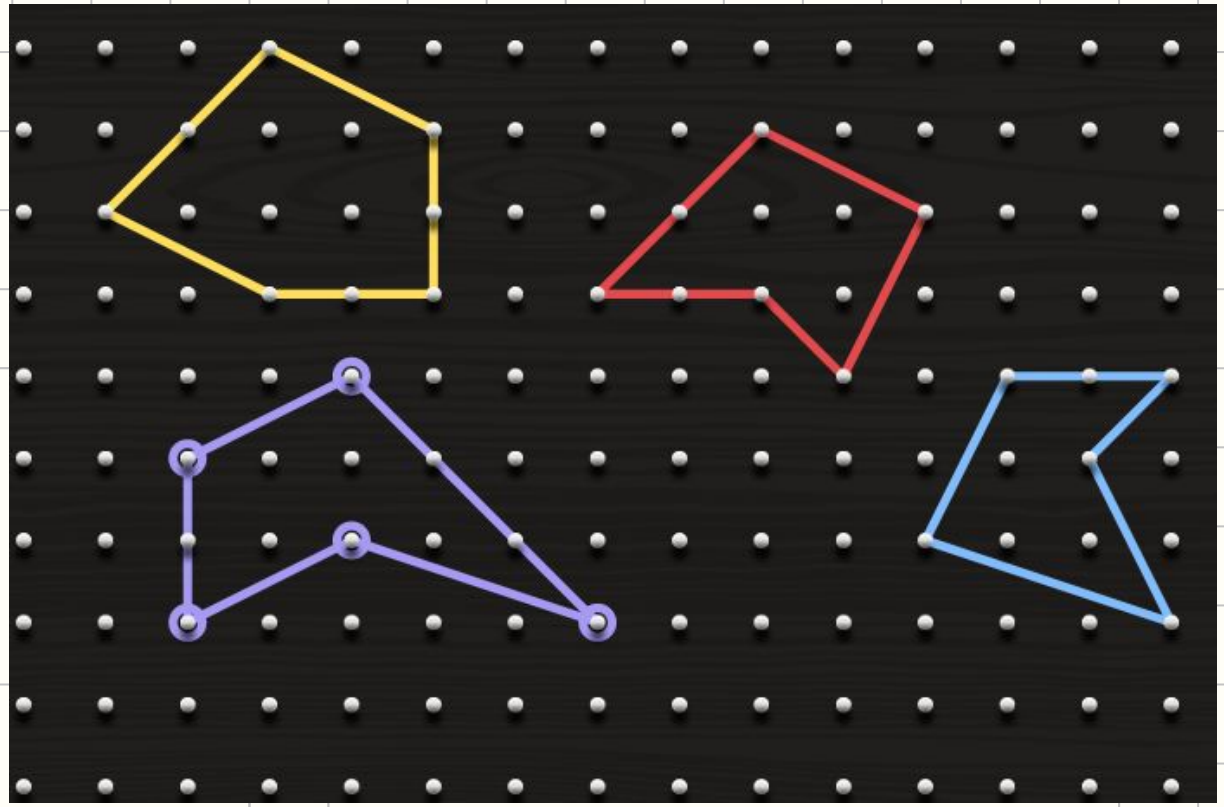
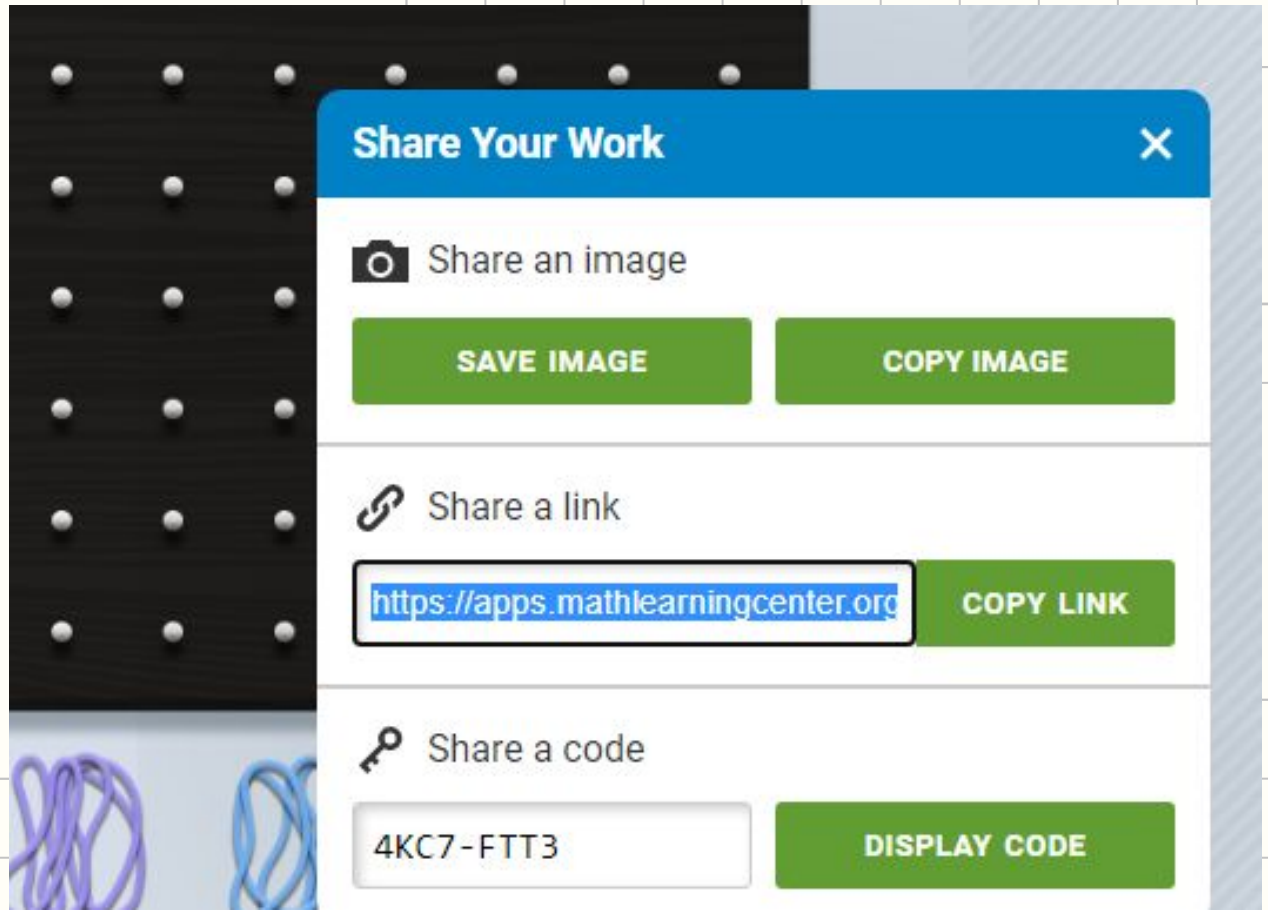
08

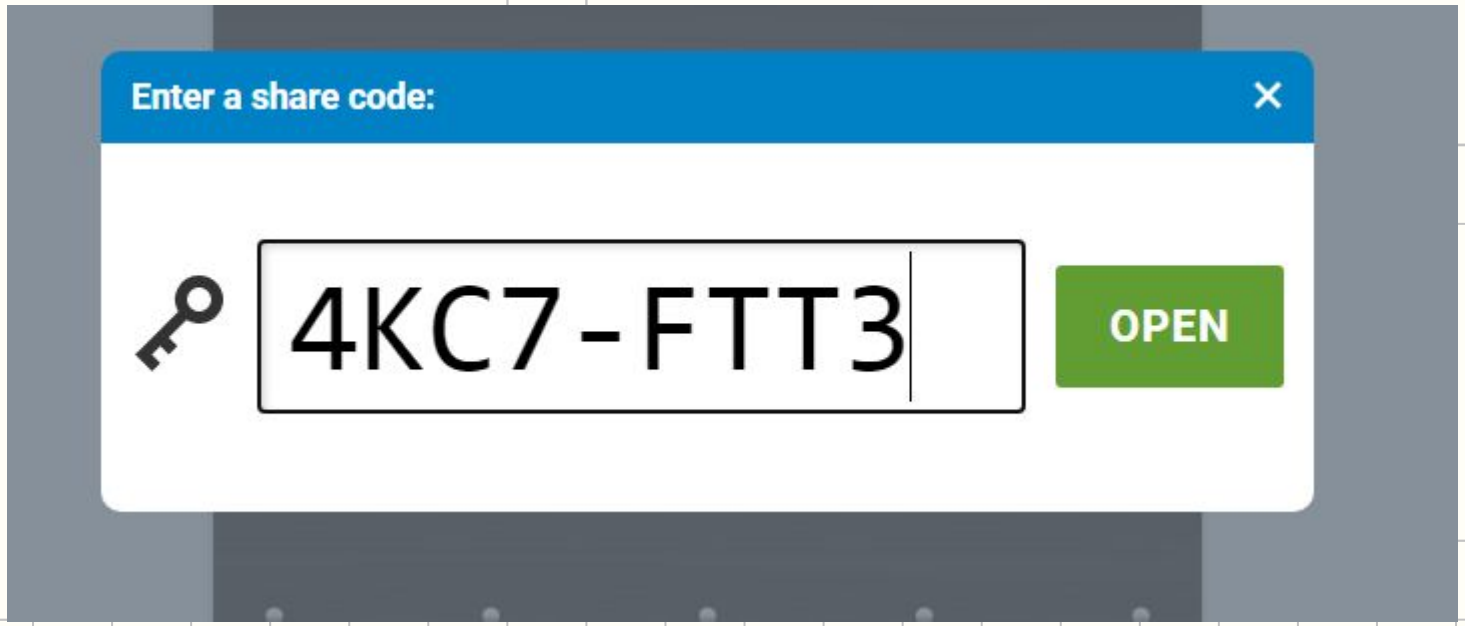
Math Concepts



Sharing the work? Three ways

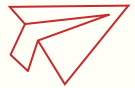


Opening Shared work via code?



“Mathematics is a beautiful subject.”

Let us take a look at the tool live…

https://apps.mathlearningcenter.org/geoboard/

Thank You!