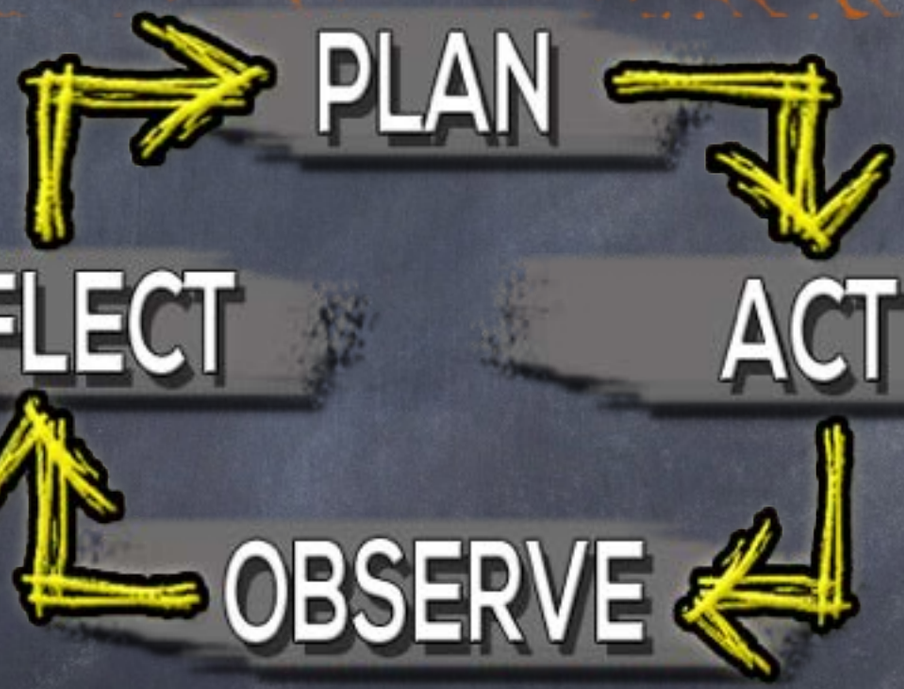
MYCI 2013-14

Middle Years
Collaborative Inquiry
www.tapintoteenminds.com



MATHEMATICS

SESSION #5

@MathletePearce www.tapintoteenminds.com @JustinLevack

Agenda

- Sign-in via Session #5 Google Docs
- Analyze & Submit Cycle 3 Data
  - Celebrate MYCI Successes
- Planning for Cycle #4 / Team Prompts
- Learning Fair Details
- Visualizing Math With Algebra Tiles
- Ticket Out The Door

LEARNING FAIR DATES

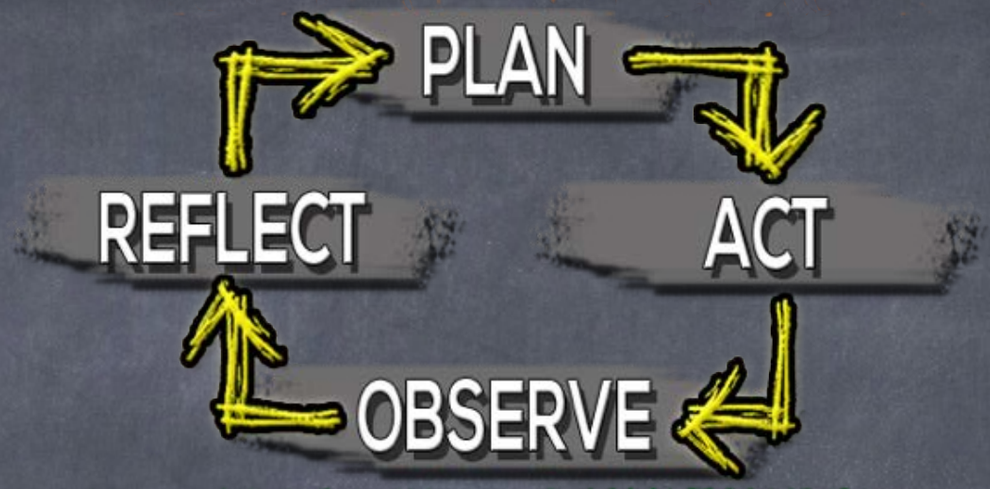
- Each team will participate in one **full day** learning fair date listed below:

Sandwich Family, TVA Family, and Central PS

Walkerville Family, Essex Family, and Harrow

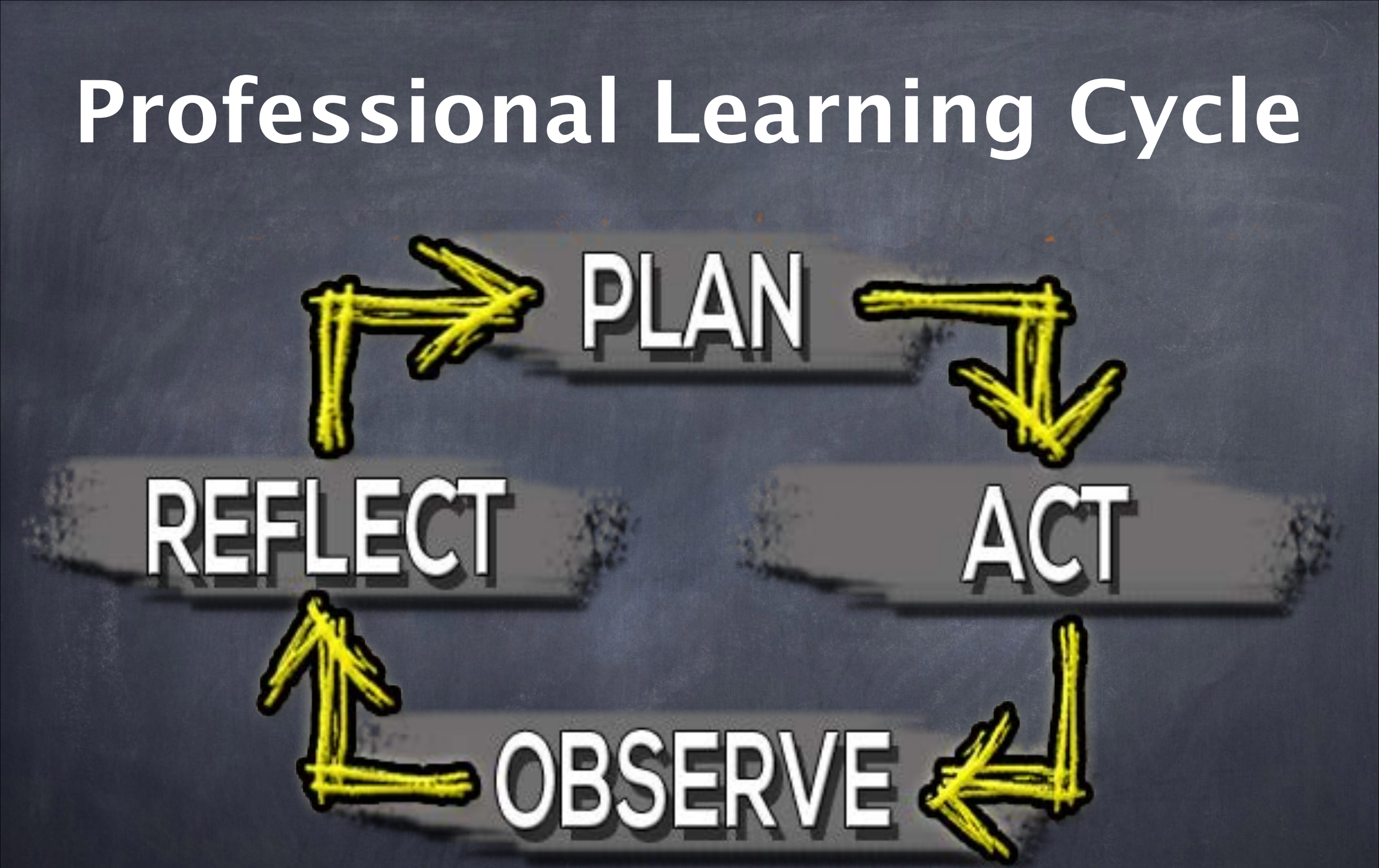
Massey Family and General Amherst Family

Learning Fair Agenda



- Consolidate Cycle #4 Data
- Team Sharing Jigsaw
- Team Task – Grade 9 Applied EQAO
- Student Data Analysis (EQAO, strands, etc.)
- Team Planning As You Look Ahead to Next Year

Professional Learning Cycle



Calendar

Calendars | + | Day | Week | Month | Year

iCloud
calendar.google.com
PublicBoard.ca
Gmail
Delegates

April-2014

◄ Today ►

Sun 30	Mon 31	Tue 1	Wed 2	Thu 3	Fri 4	Sat 5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

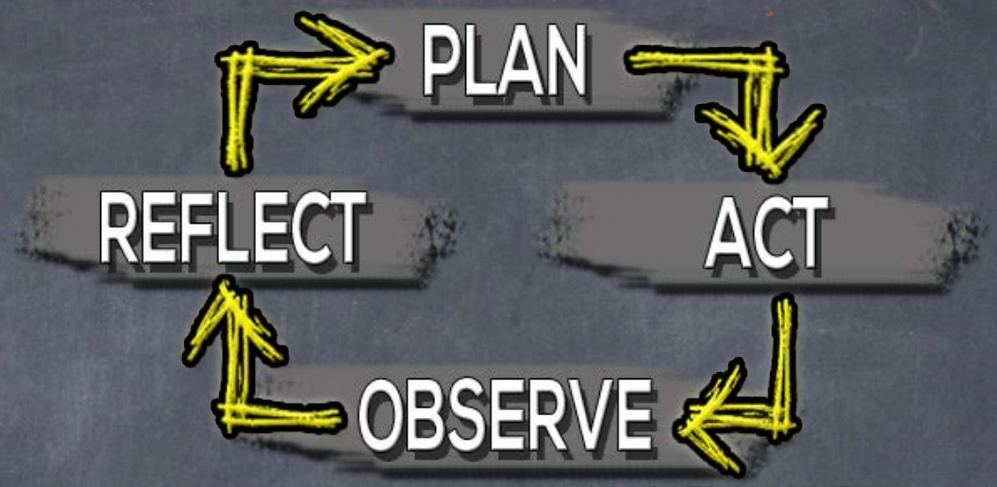
CYCLE #4

MAR 31 - MAY 2

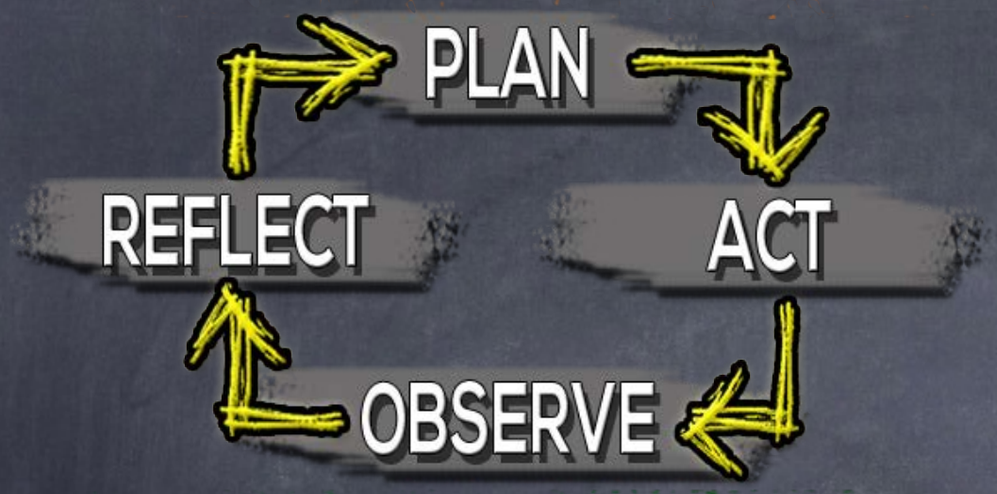
◄ October-2013 ►

Su	Mo	Tu	We	Th	Fr	Sa
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

Cycle Timeline



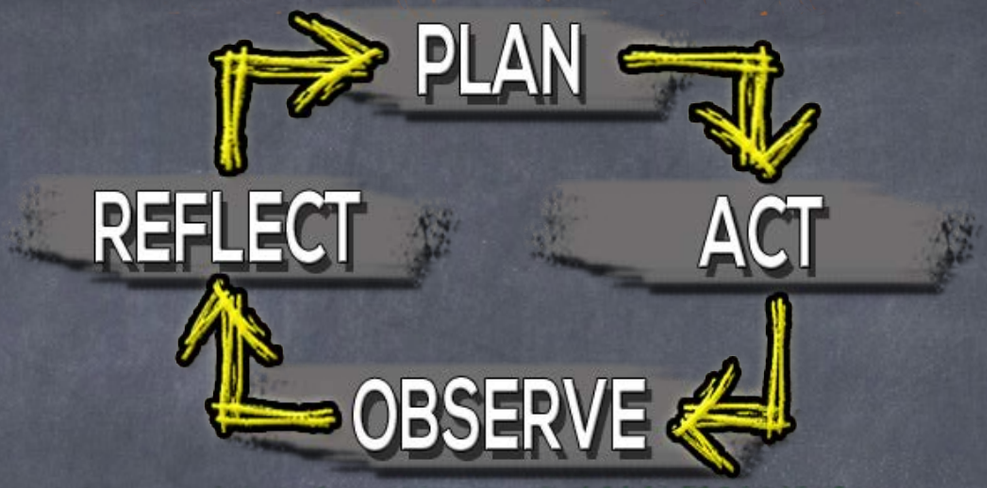
- **Week 1** – Working Levels Based on Rubrics
- **Week 2** – Marker Student Evidence and implement specific change in practice
- **Weeks 3 & 4** – Continue change in practice
- **Week 5** – Working Levels Based on Rubrics
- **Week 6** – Collect Marker Student Evidence



Specific Change in Practice

- a **new** idea or approach
- **modifying** something you have done previously
- Should be "**SMART**"
  - Specific, measurable, attainable, realistic, time-bound.

Data Submission

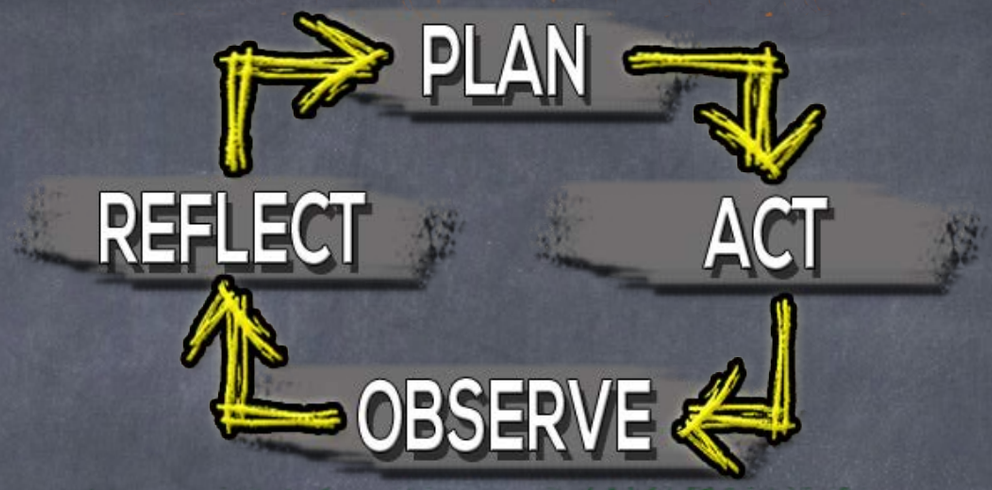


- Access the Data Submission form here:

http://tapintoteenminds.com/myci/submit

- Take some time to analyze and submit your data for cycle #3.
- If you have yet to submit data for a previous cycle, you may do so at this time.

Reflecting and Planning



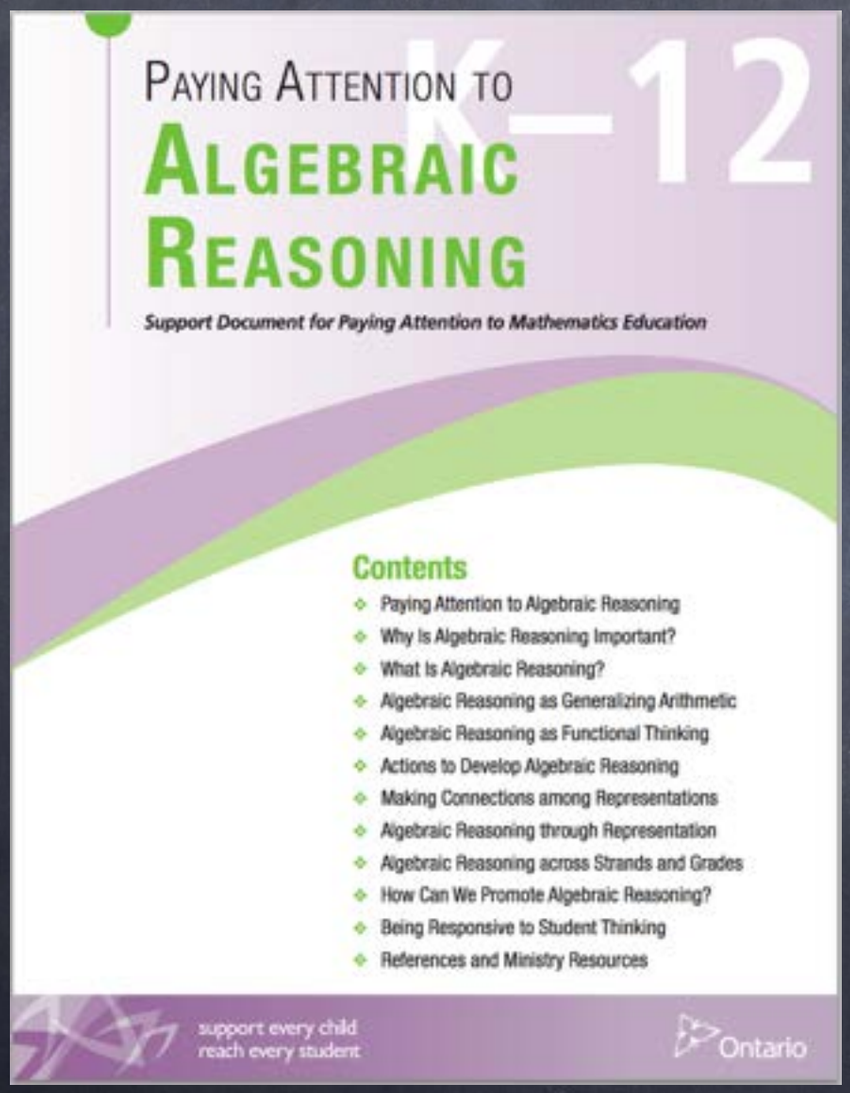
Go to your team shared Google Drive Folder.

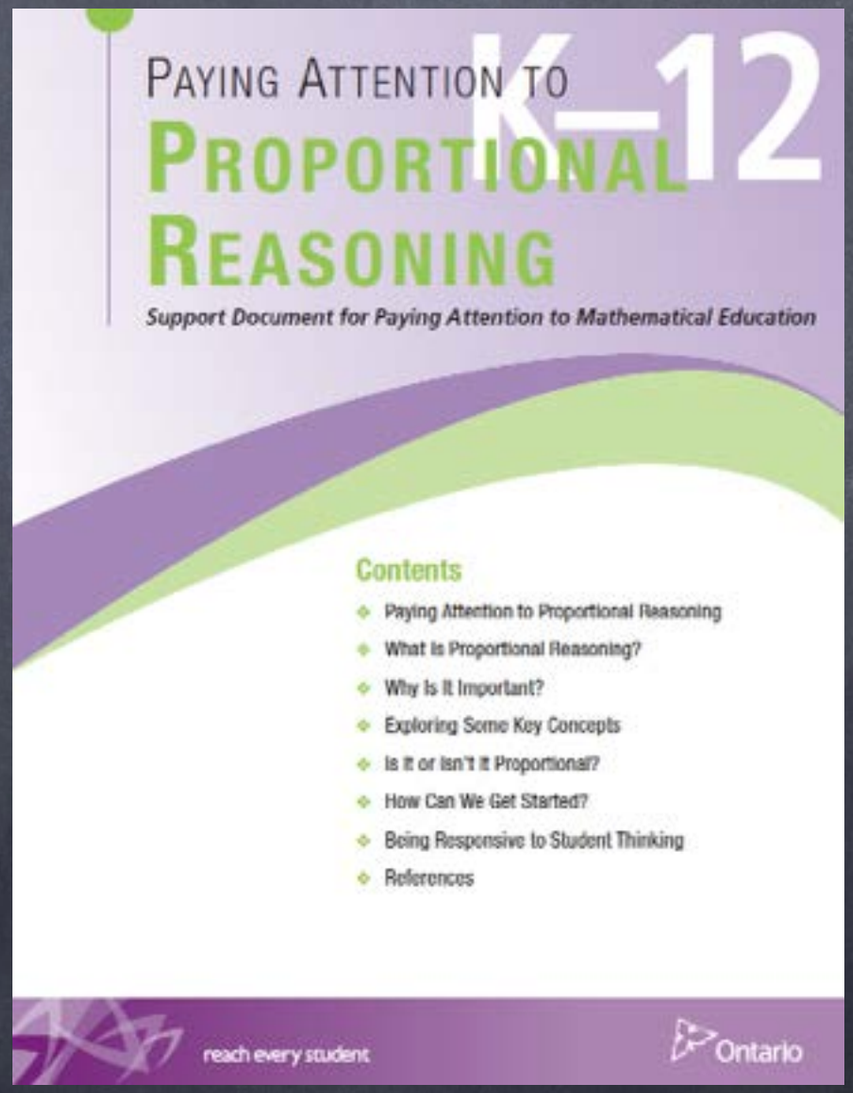
- Go to the **Session #5 Resources** folder
- open **Session 5 Team Prompts**

Engage in a team discussion using the prompts as a guide.

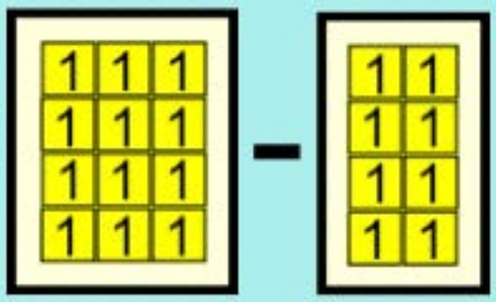
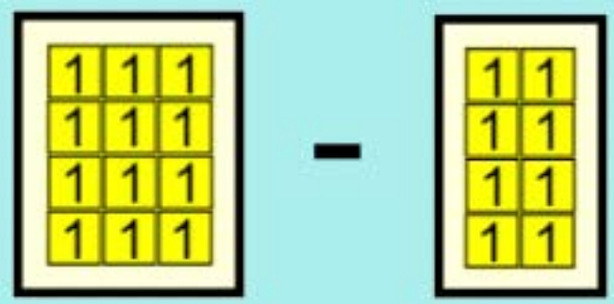
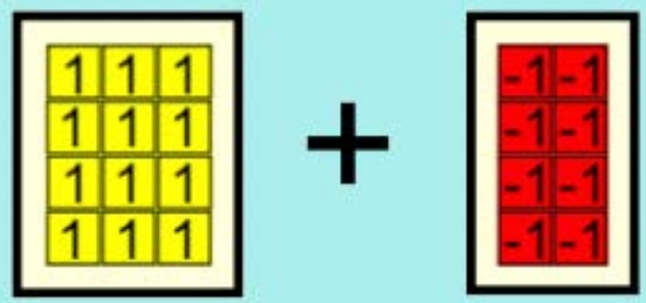
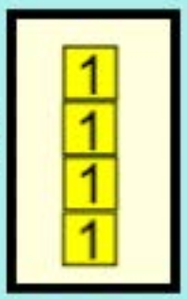
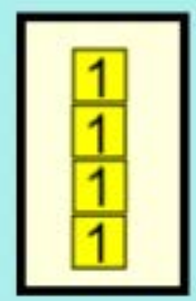
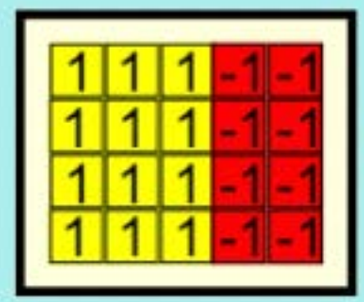
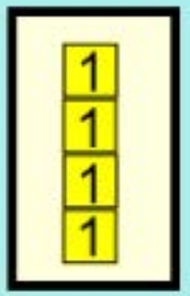
Document your reflections and plans in point form.

Visualizing Mathematics



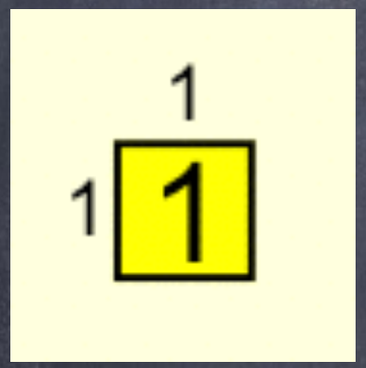


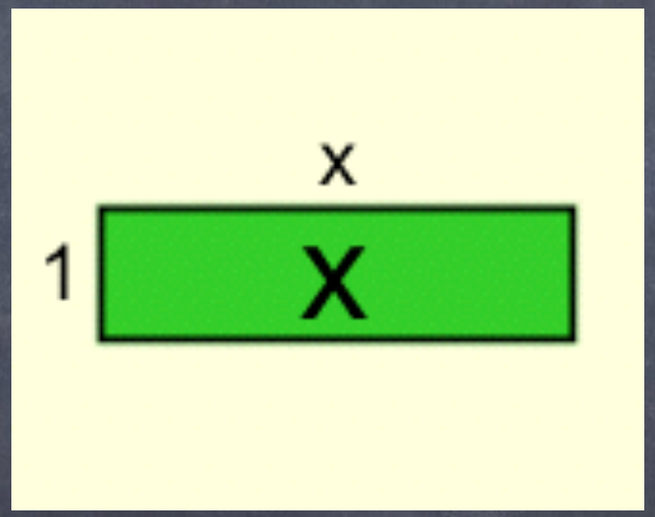
Making Basic Math Visual

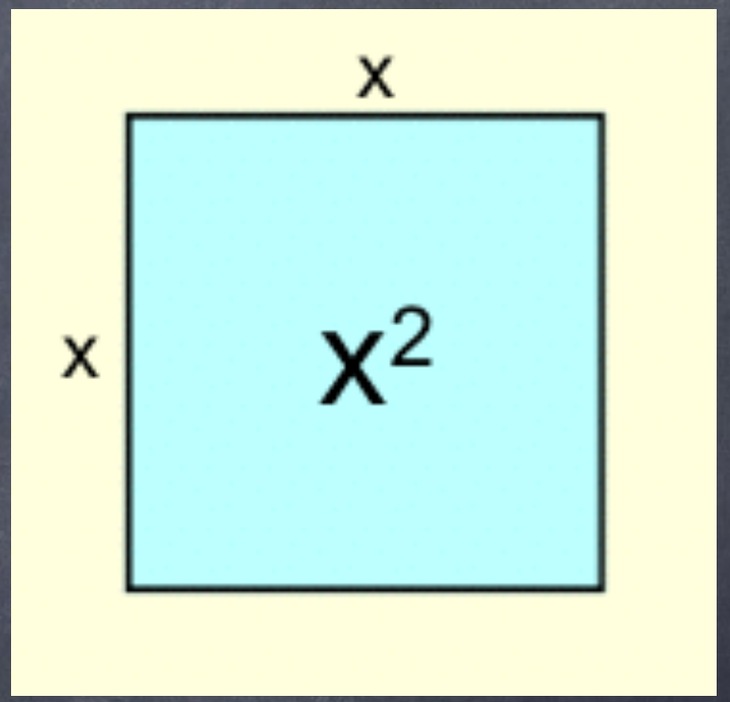
12 - 8	12 - (+8)	12 + (-8)
= 	= 	= 
= 	= 	=  = 
= 4	= 4	= 4

Making Basic Math Visual

Multiplication Means Area



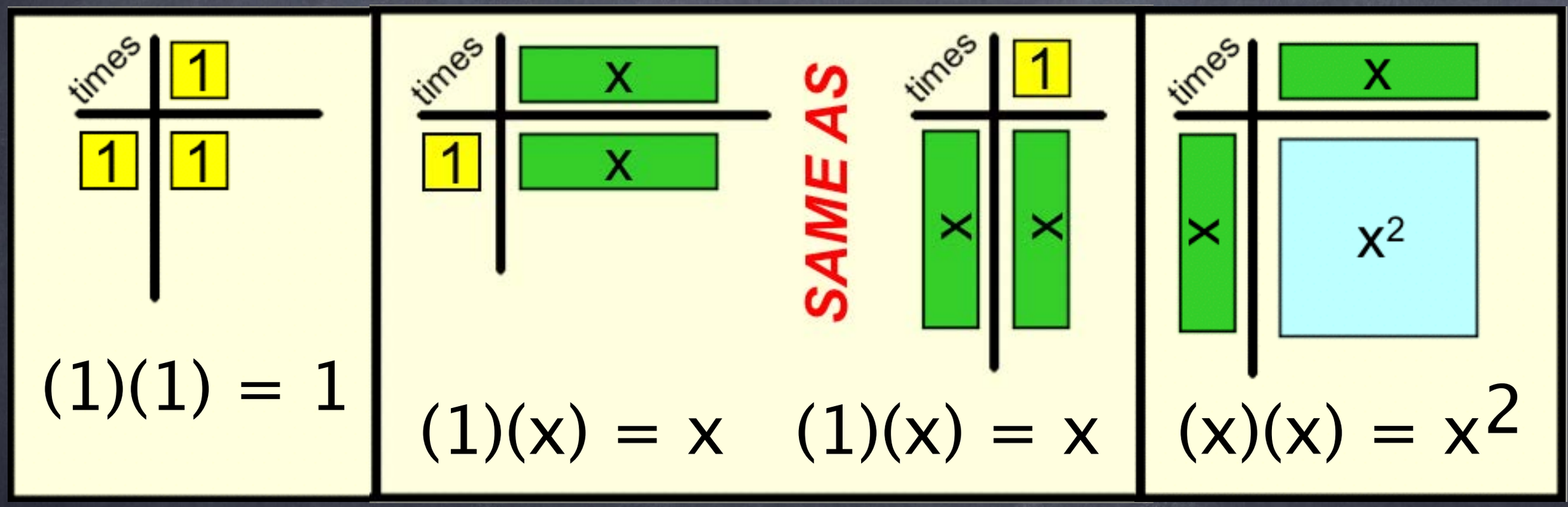




A = length x width

Making Basic Math Visual

Multiplication Means Area



A = length x width

Making Algebra Visual

Simplify:

$$3x + 4 - 2y + 2x - 2$$

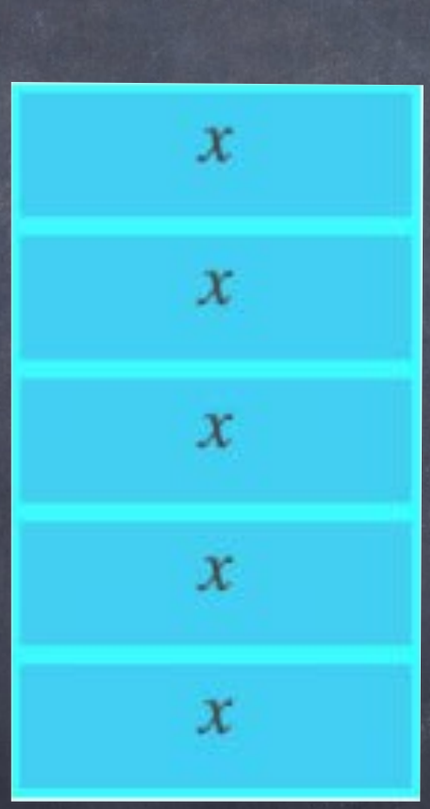
$$= 5x - 2y + 2$$

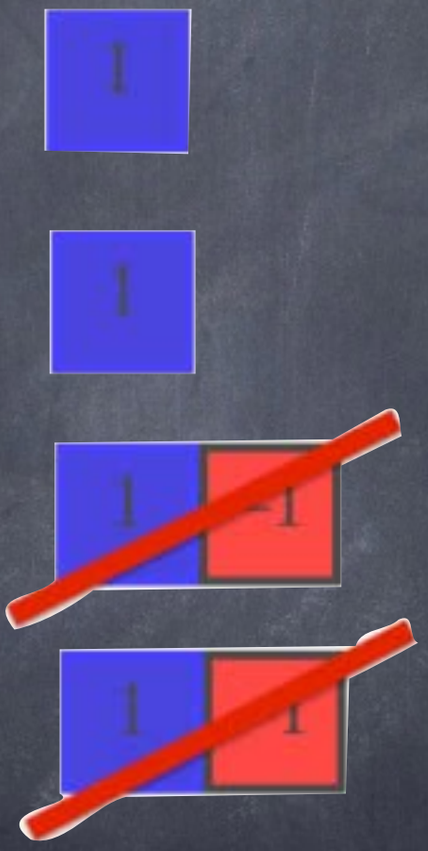
Making Algebra Visual

$$3x + 4 - 2y + 2x - 2$$

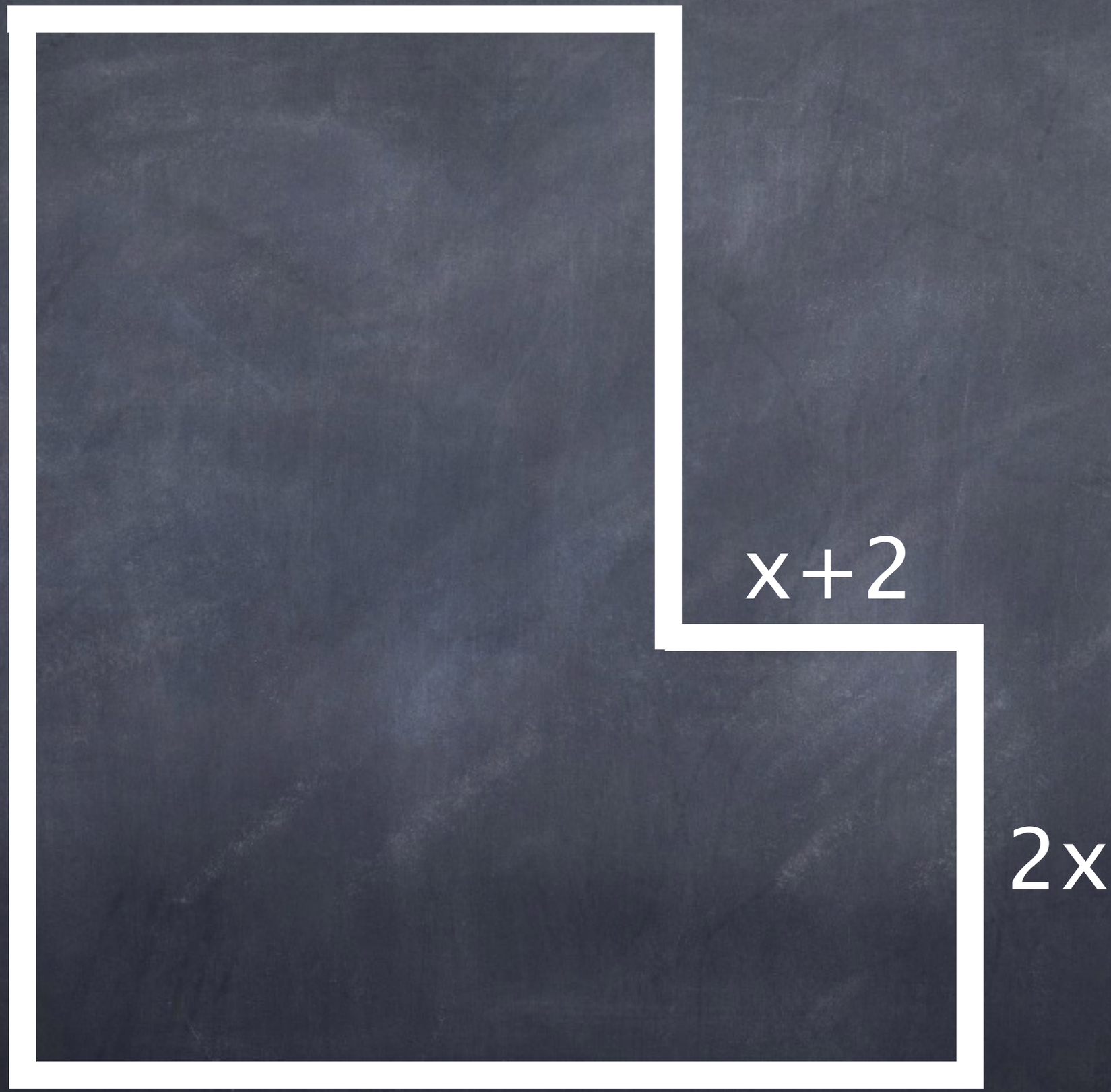
Making Algebra Visual

$3x + 2x - 2y + 4 - 2$





$= 5x - 2y + 2$


3x
5x
x+2
2x

3x

5x

Area = length x width
= (3x)(5x)

x+2

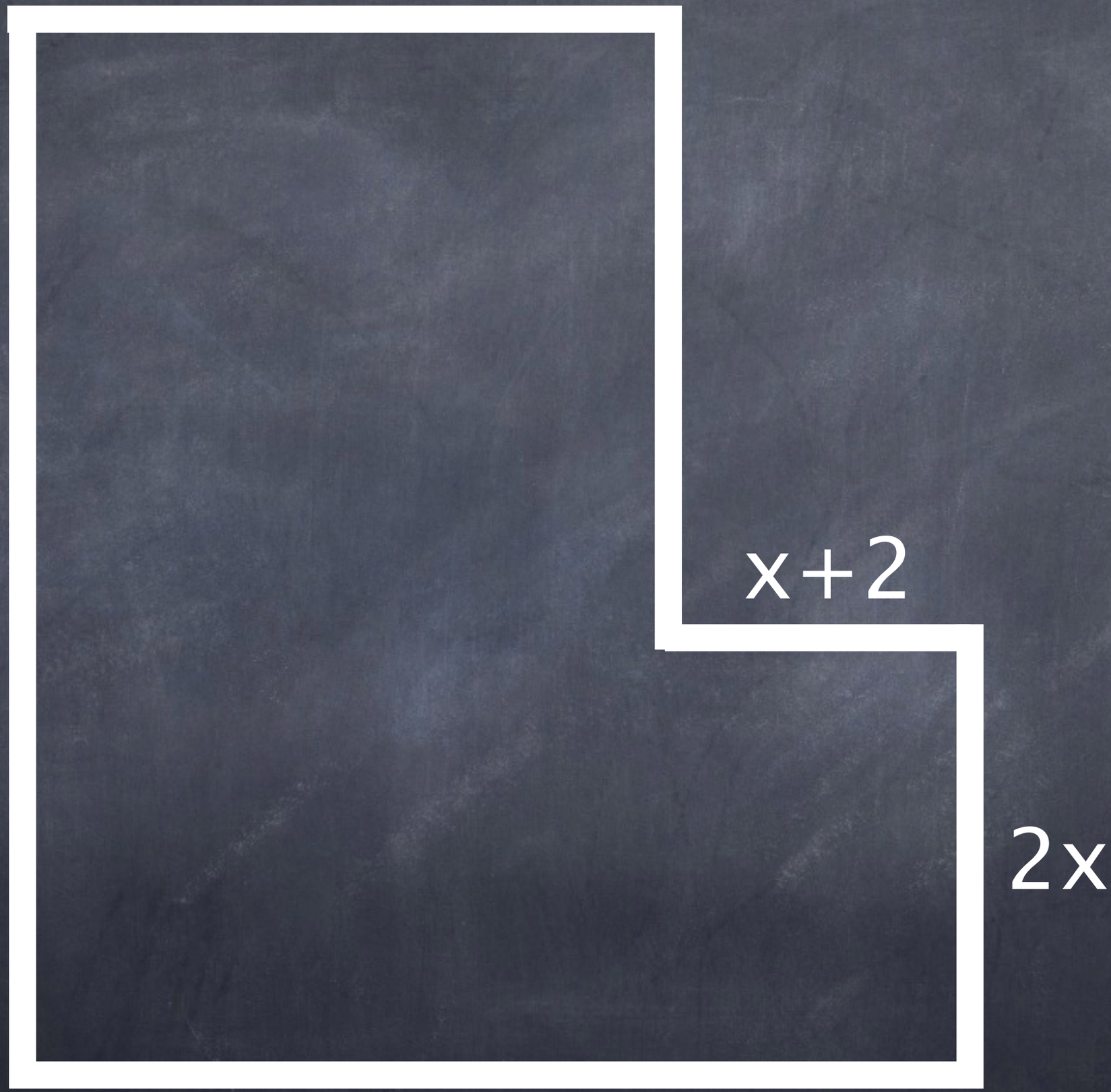
A = (2x)(x + 2)

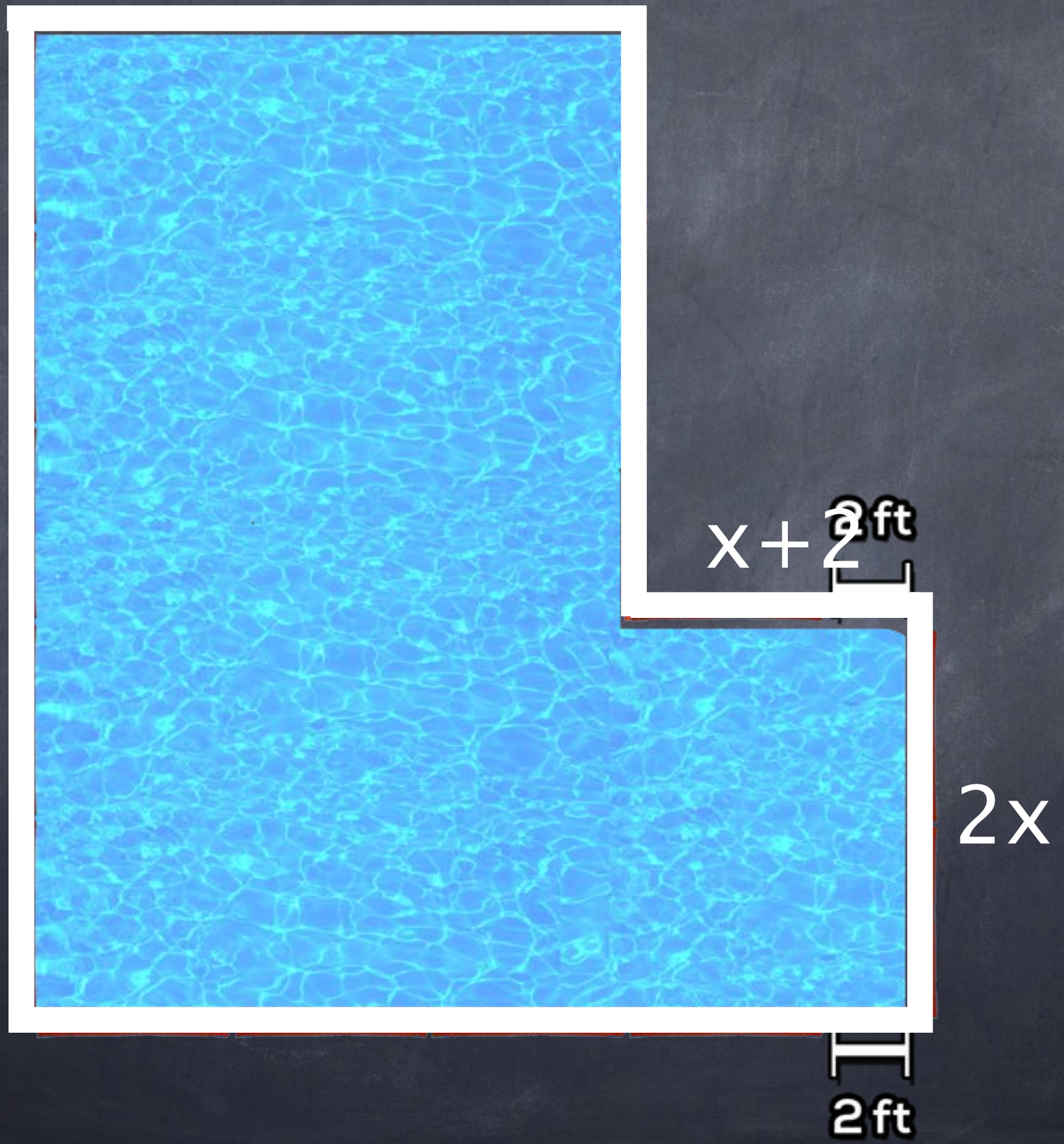
2x

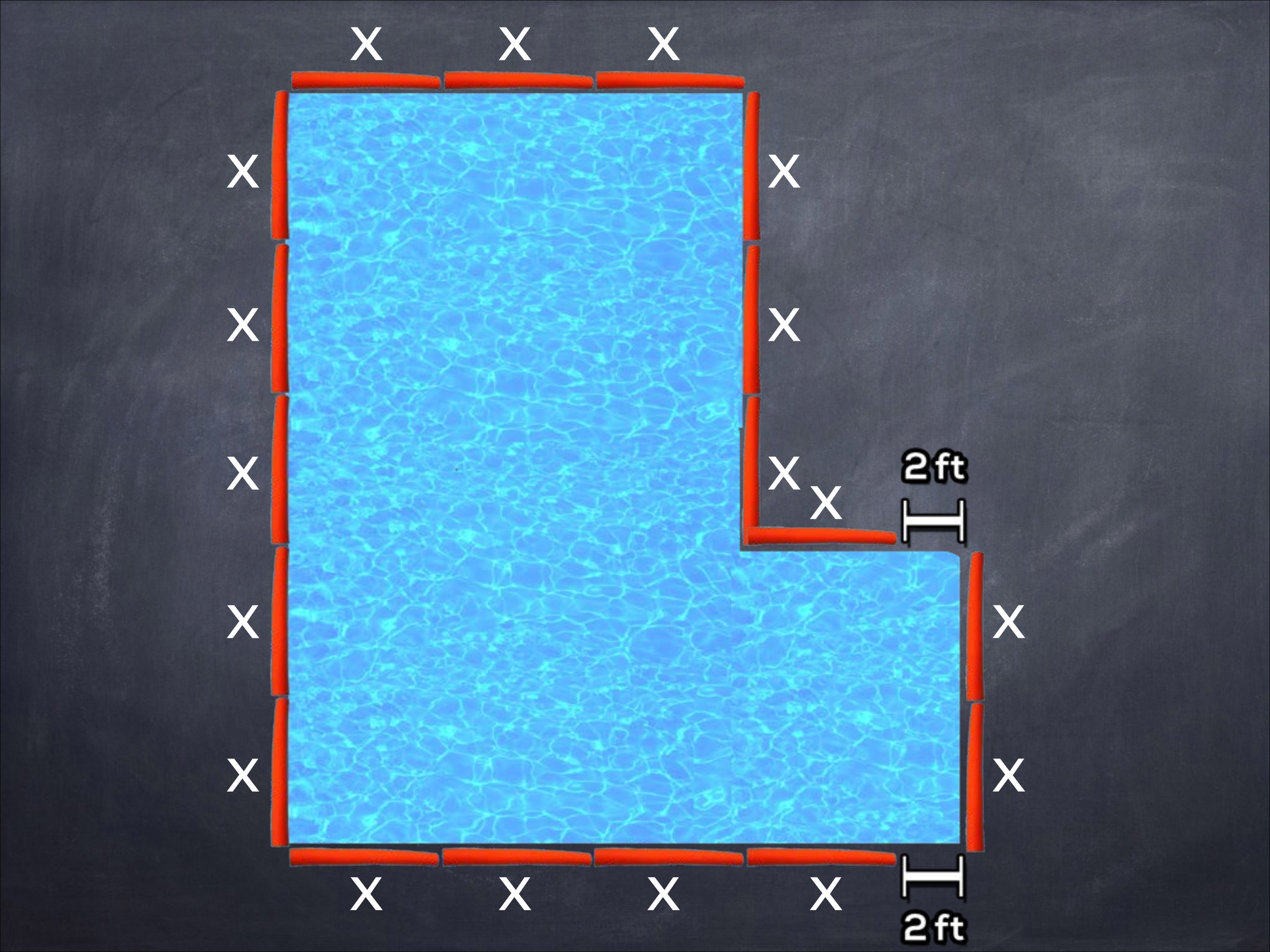
$$A = (3x)(5x) + 2x(x+2)$$

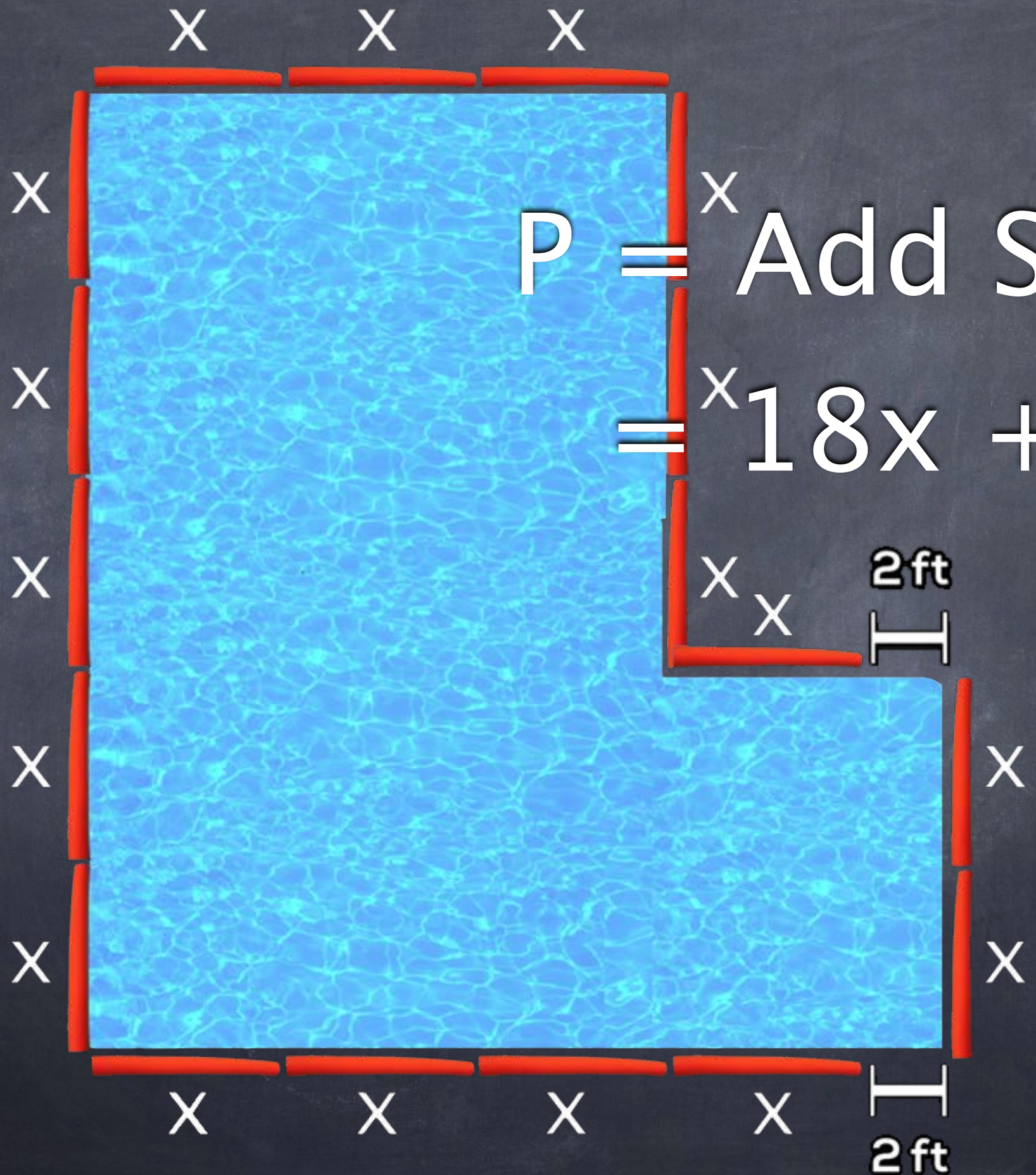
$$= 15x^2 + 2x^2 + 4x$$

$$= 17x^2 + 4x$$


3x
5x
x+2
2x

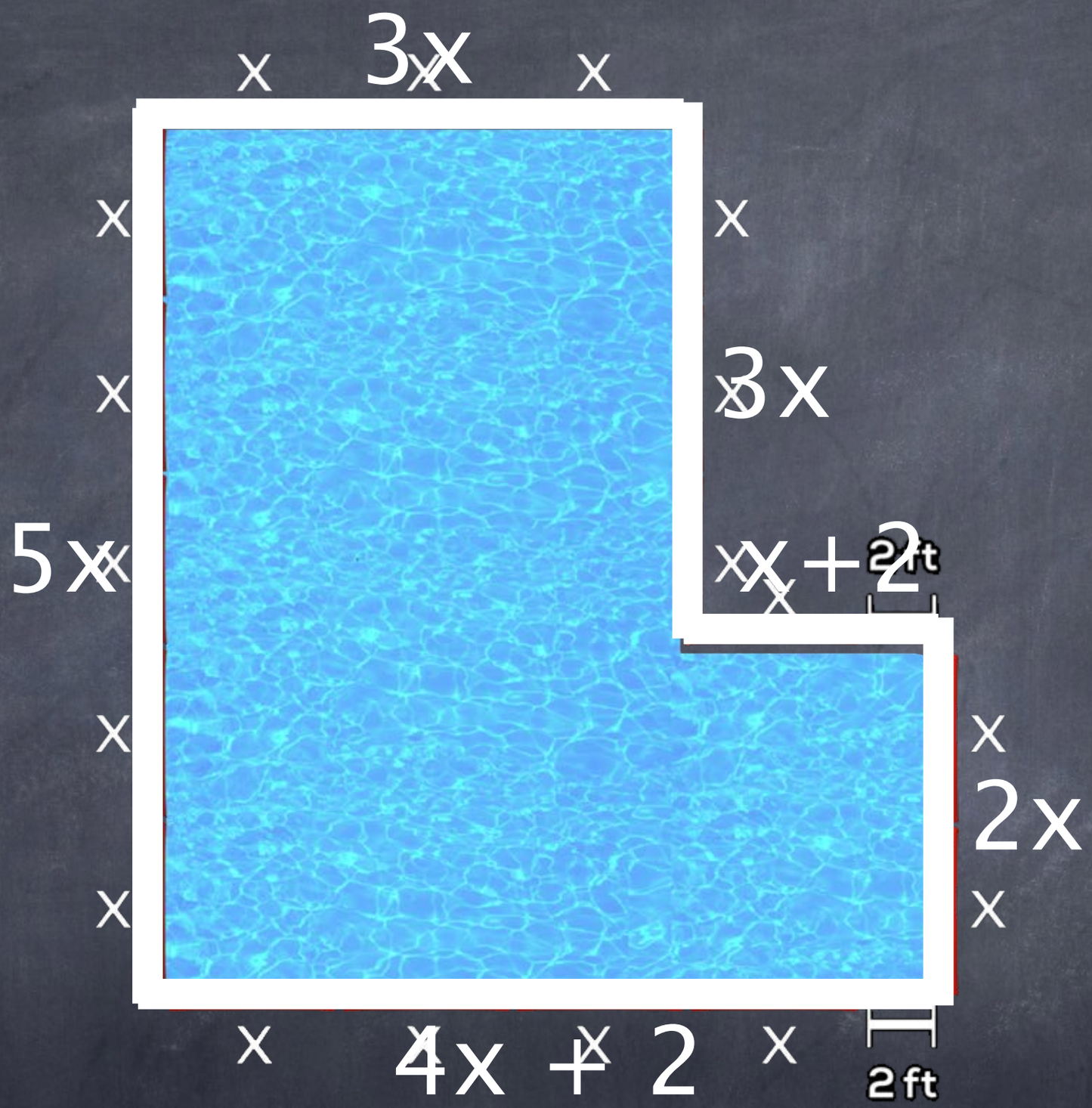

3x
5x
x+2
2 ft
2x
2 ft


2ft
2ft

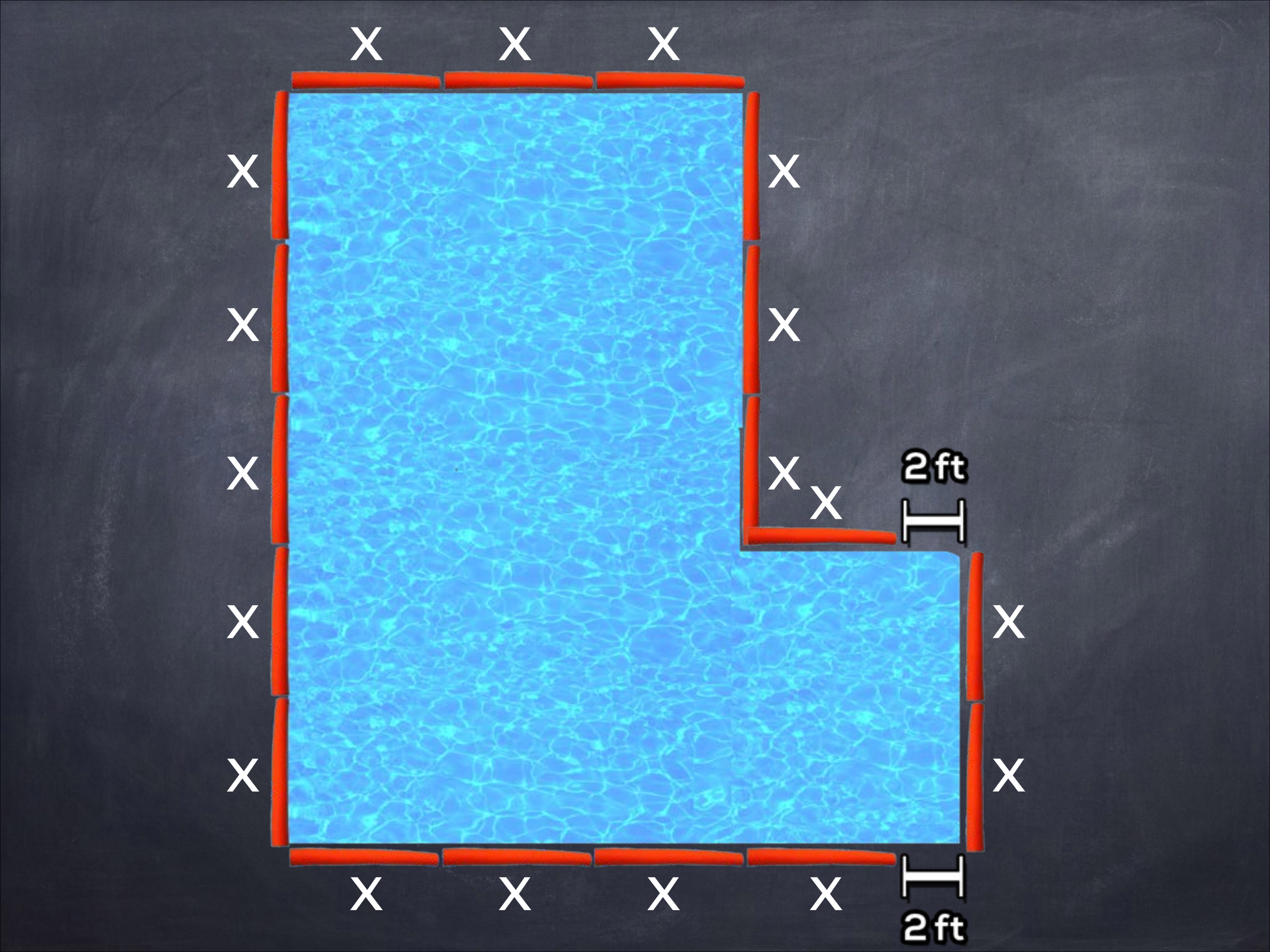


P = Add Sides

$= 18x + 4$



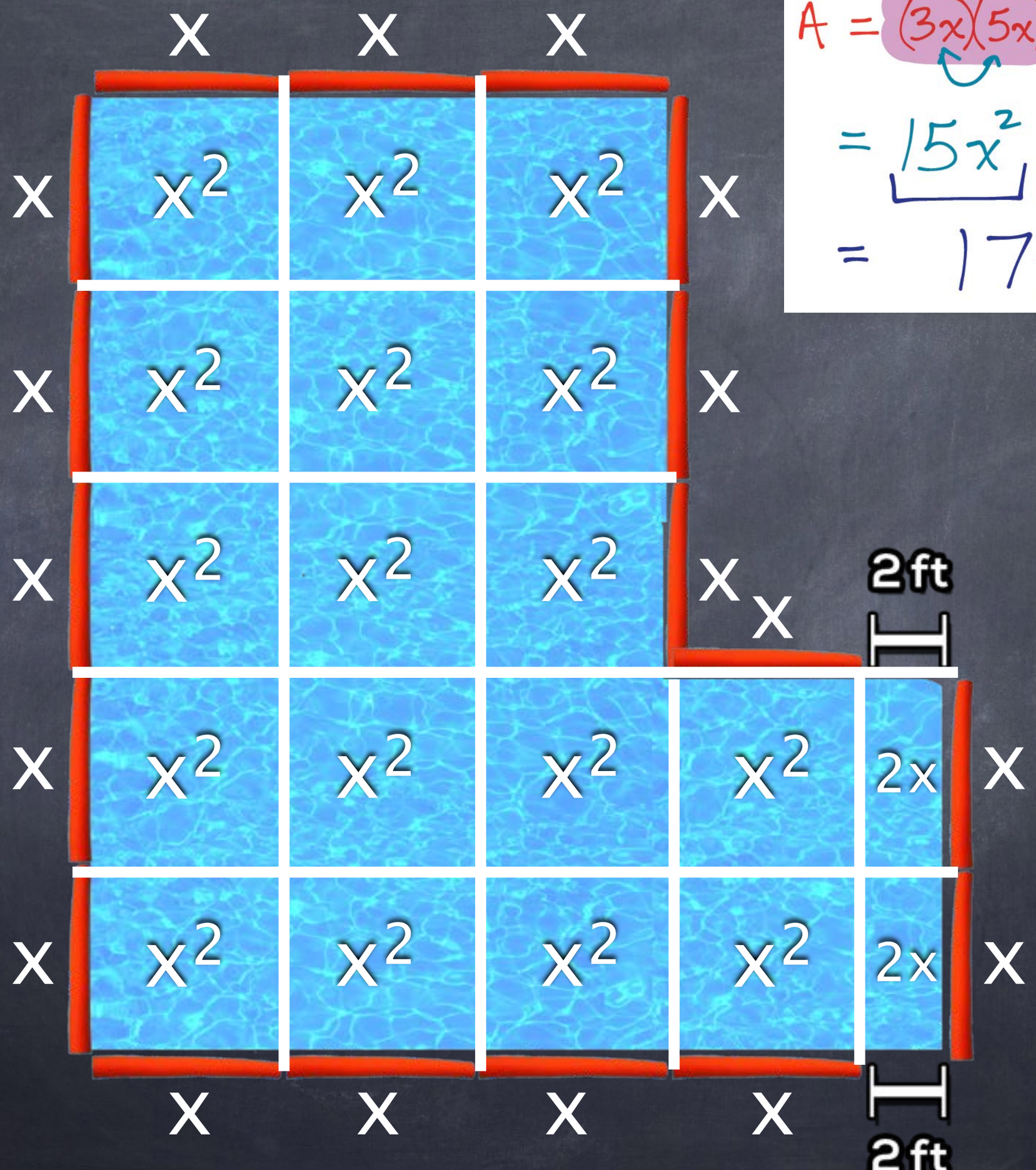
$$P = 3x + 3x + x + 2 + 2x + 4x + 2 + 5x$$
$$= 18x + 4$$


2ft
2ft

$$A = (3x)(5x) + 2x(x+2)$$

$$= \underbrace{15x^2} \underbrace{+ 2x^2} + 4x$$

$$= 17x^2 + 4x$$



Exit Survey

- Slides from Session #5 Also Available

http://tapintoteenminds.com/myci/session5/

- All Team Members Should Complete the Exit Survey

Need Assistance?

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