

# YPS Parent Academy

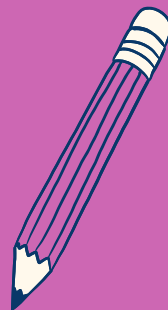
Are you **G.A.M.E.** in Math?

Session 1: 1/28/23

Upper Elementary



$$X = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



$$a^2 + b^2 = c^2$$

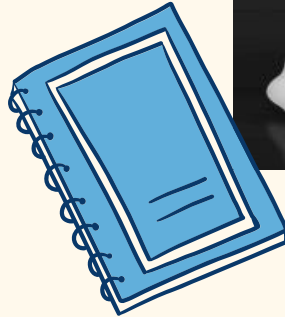
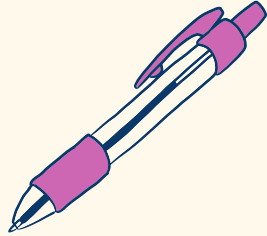


# Introductions!

## Who am I?

### Please share:

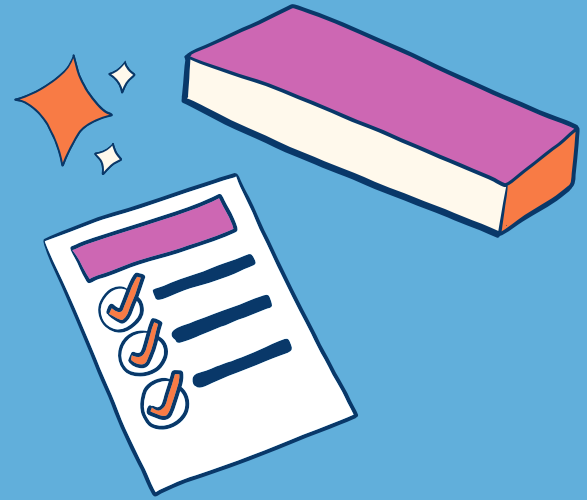
- Name
- Child's School
- Child's Grade Level
- Your experience with math using one word.



# Our Parent Workshops!

Come join us for a series of workshops for parents of students in **grades K-8**, designed to teach you:

- math concepts that your child is learning in school
- math tools you can use to assist your child in better understanding the math concepts
- games and activities you can use with your child to reinforce what they are learning in school



## When

- **9:30-11:30AM** on select Saturdays
  - 1/28/23
  - 2/11/23
  - 3/4/23
  - 3/18/23
  - 4/15/23
  - 4/29/23
  - 5/6/23

# Math is a Gate-Keeper!



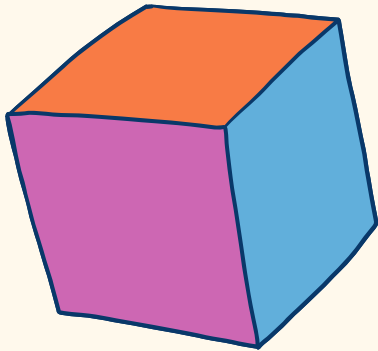
# Math is a Gate-Keeper!

## Time to Reflect

- What does “Math is a Gate-Keeper” mean?
- These students appeared more confident in their math ability when the instruction changed. What did you notice students doing in the video?
- How is your experience learning math different from what is described in the video?

# Adding and Subtracting Fractions

Emiliano needs  $\frac{1}{2}$  stick of butter to make corn bread. He also needs  $\frac{1}{4}$  stick of butter to make apple muffins. What fraction of a stick of butter does he need in all?



1. What would you do to solve this problem?
2. What might your child struggle with?

Handwritten math work on lined paper. It shows the addition of  $\frac{1}{2} + \frac{1}{4}$ . The first fraction is converted to  $\frac{2}{4}$  by multiplying the numerator and denominator by 2. The second fraction remains  $\frac{1}{4}$ . The final sum is  $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$ . To the right, there are two lists of multiples: '2: 2, 4, 6, 8, 10, ...' and '4: 4, 8, 12, 16, ...'. A box on the right contains the text 'Emiliano needs  $\frac{3}{4}$  stick of butter total'.
$$\begin{array}{r} \frac{1}{2} + \frac{1}{4} \\ \downarrow \quad \downarrow \\ \frac{1}{2} \cdot \frac{2}{2} \quad \frac{1}{4} \\ \downarrow \quad \downarrow \\ \frac{2}{4} + \frac{1}{4} = \frac{3}{4} \end{array}$$

2: 2, 4, 6, 8, 10, ...  
4: 4, 8, 12, 16, ...

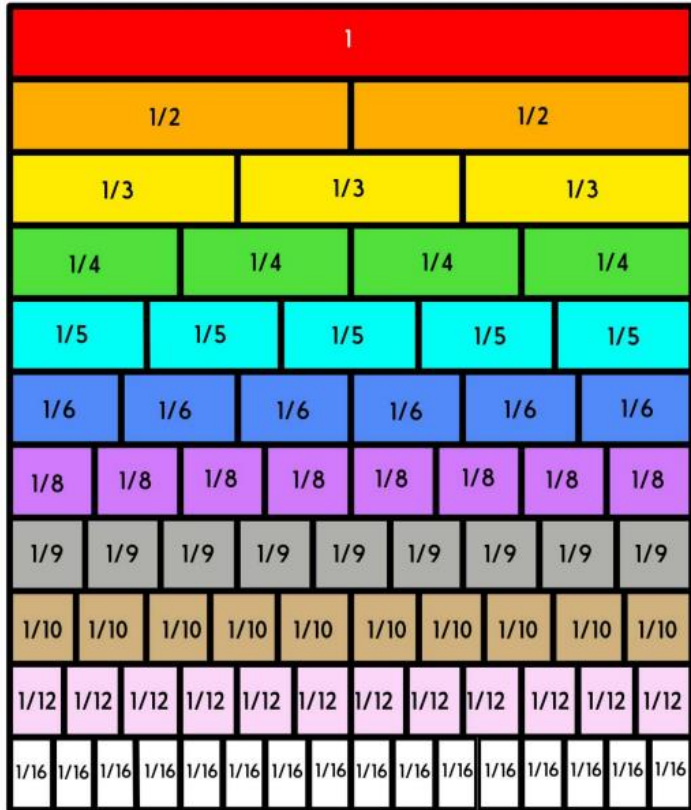
Emiliano needs  
 $\frac{3}{4}$  stick of  
butter  
total





# Equivalent Fractions

FRACTION STRIPS



1. Cut out your Fraction Strips
2. In your notebook, write as many equivalent fractions as you can find in 5 minutes, using your fraction strips.



# Apply Equivalent Fractions

Naeem needs  $\frac{1}{4}$  cup of milk to make a carrot cake. He also needs  $\frac{1}{8}$  cup of milk to make the icing for the cake. What fraction of a cup of milk does Naeem need in all?

How can you use our learning with equivalent fractions to solve this problem?





# Fraction Strip Game



Let's Play!

# Please give us feedback!

