

YPS Parent Academy

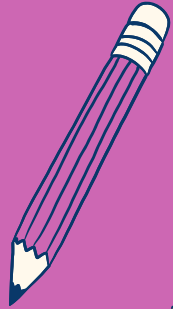
Are you **G.A.M.E.** in Math?

Session 2: 2/11/23

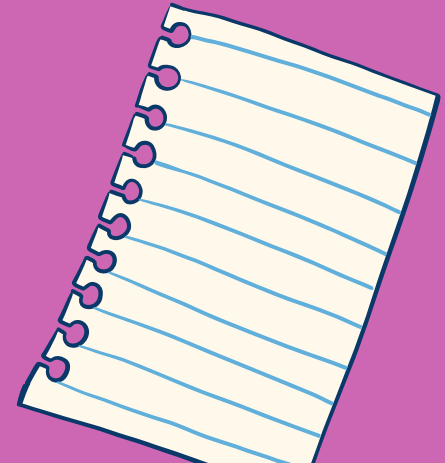
Middle Grades



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



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

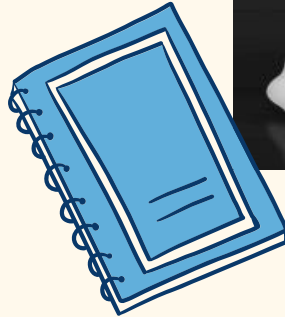
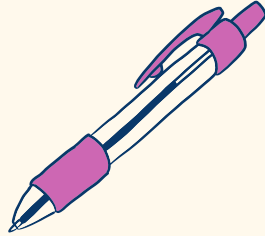


Introductions!

Who am I?

Please share:

- Name
- Child's School
- Child's Grade Level
- Your favorite topic in math (why is it your favorite?)



Our Parent Workshops!

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

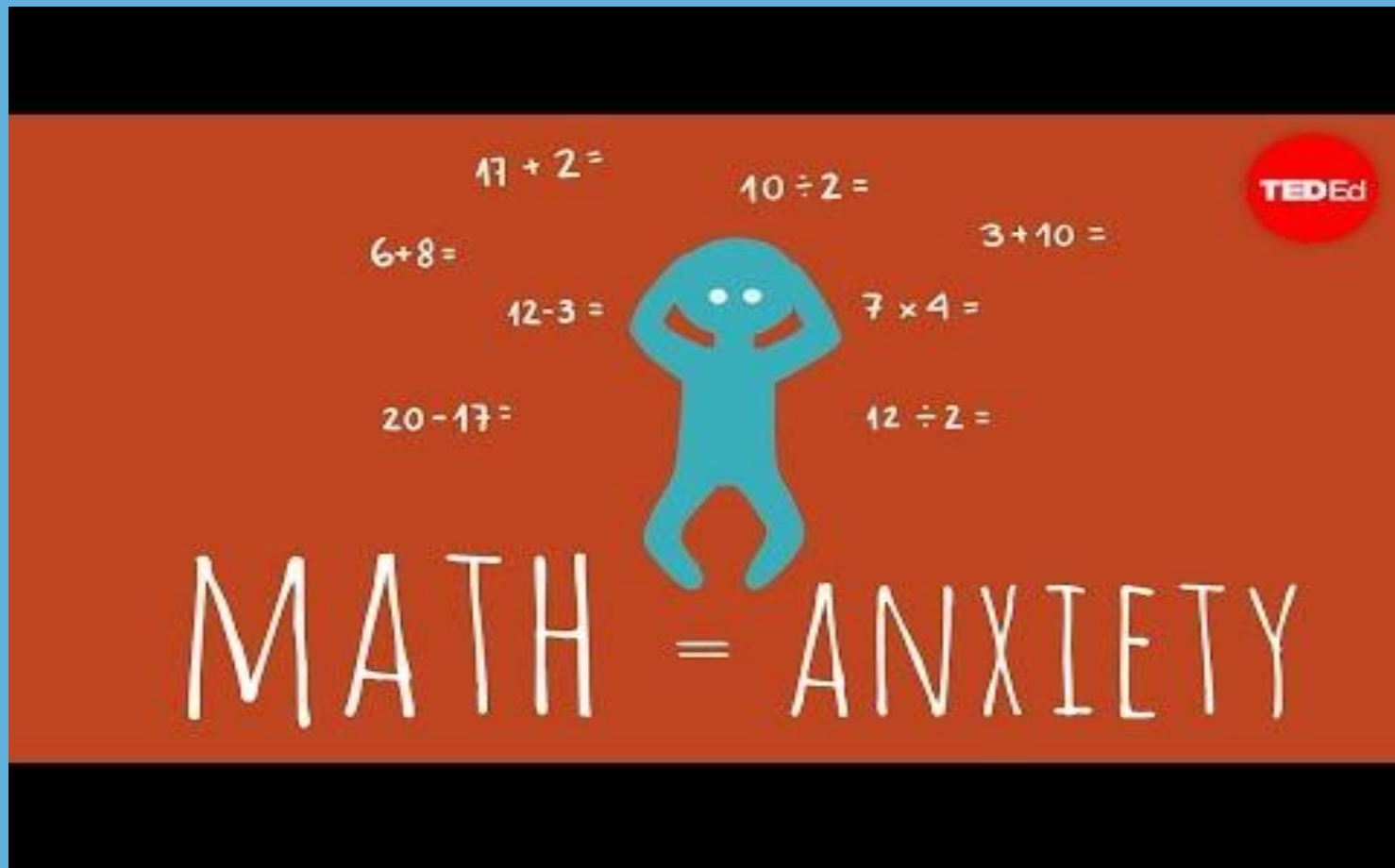
- math concepts that your child is learning in school
- math tools you can use to assist your child in better understanding the math concepts
- games and activities you can use with your child to reinforce what they are learning in school



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

Why do people get so anxious about math?



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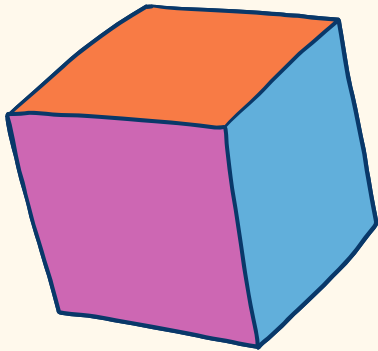
Time to Reflect

- Have you or your child displayed feelings of "math anxiety"? Why do you think that is?
- What words and tone do you usually use when you speak to your child about math?
- What can you do/try if your child is experiencing "math anxiety" and underperforming because of it?

Ratios and Proportions

Ian travels 10 yards on his unicycle every 4 seconds. Based on this ratio, how many seconds does it take Ian to travel 25 yards on his unicycle?

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

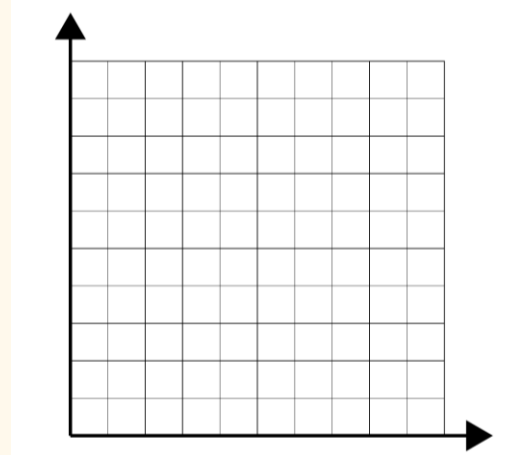


Proportion

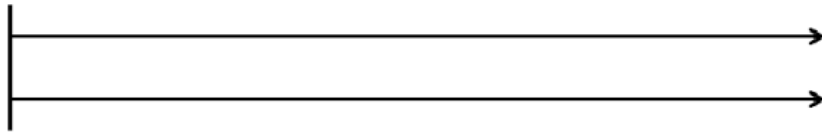
$$\frac{10 \text{ yards}}{4 \text{ seconds}} = \frac{25 \text{ yards}}{x \text{ seconds}}$$
$$\frac{10x}{10} = \frac{100}{10}$$
$$x = 10$$



Tools to Represent Ratios



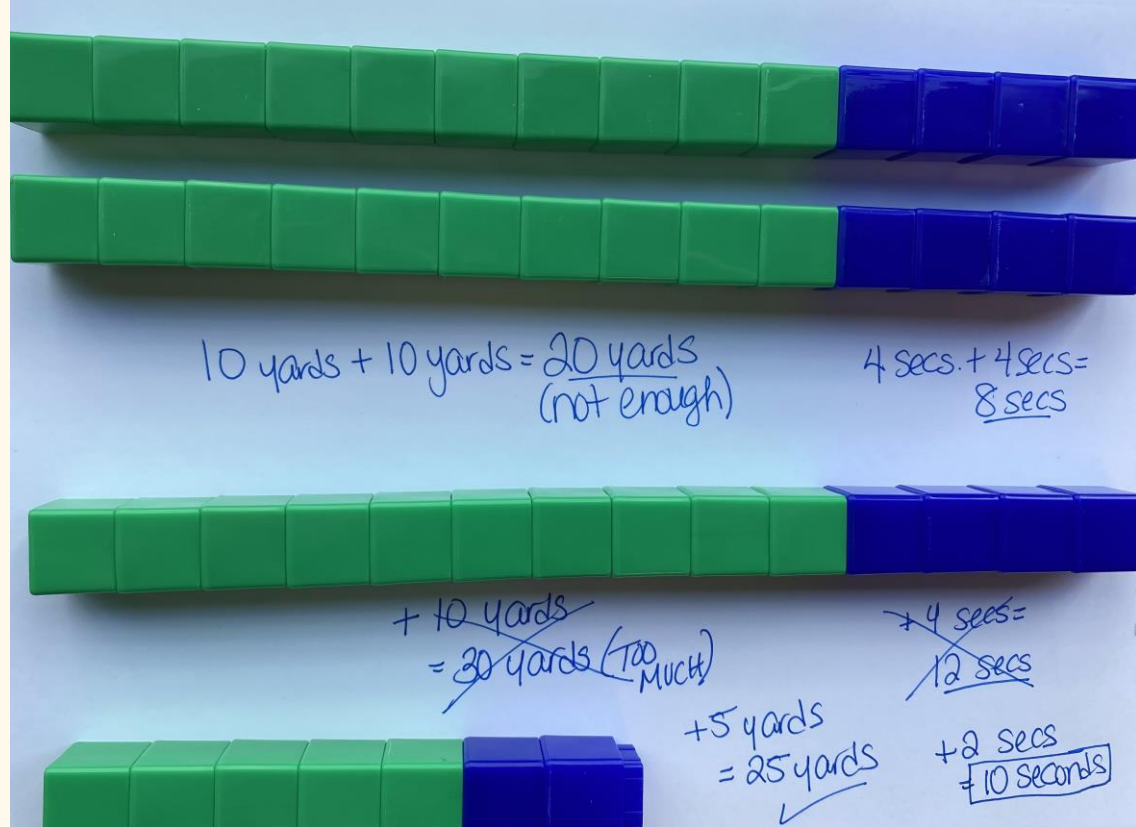
Double Number Lines



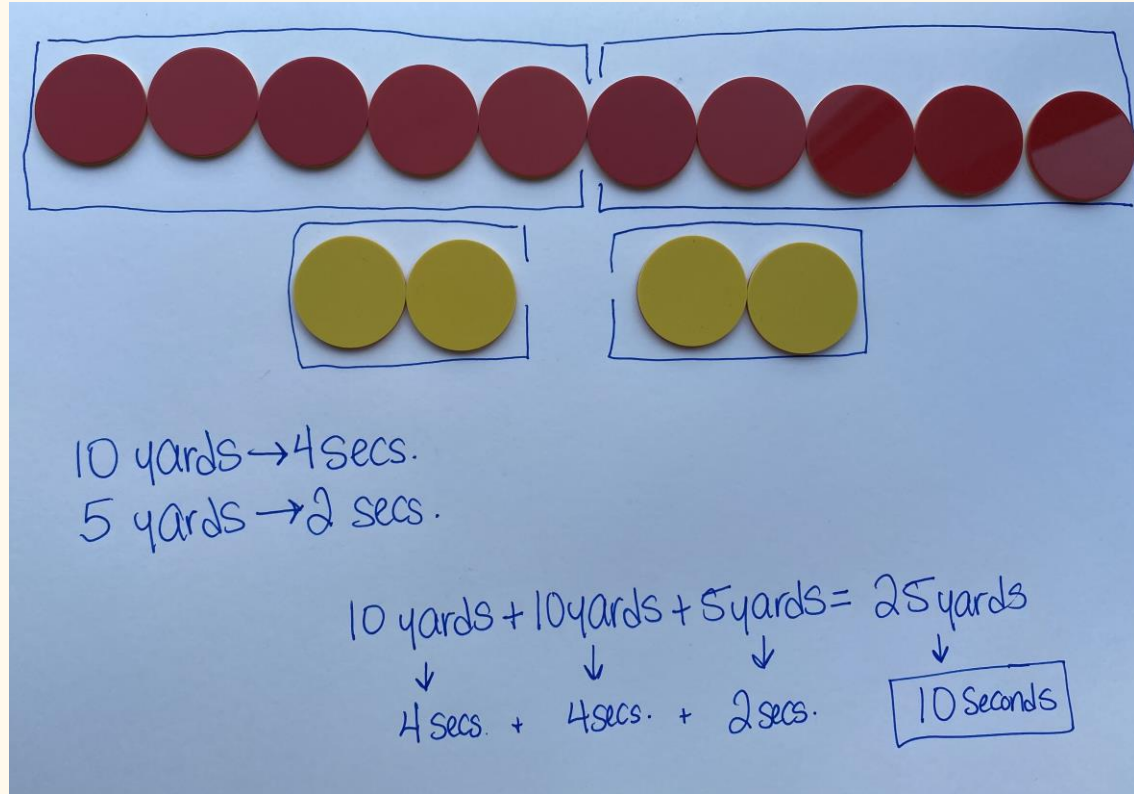
Brainstorm how you can use any of these tools to solve the problem we just looked at.



Tools to Represent Ratios

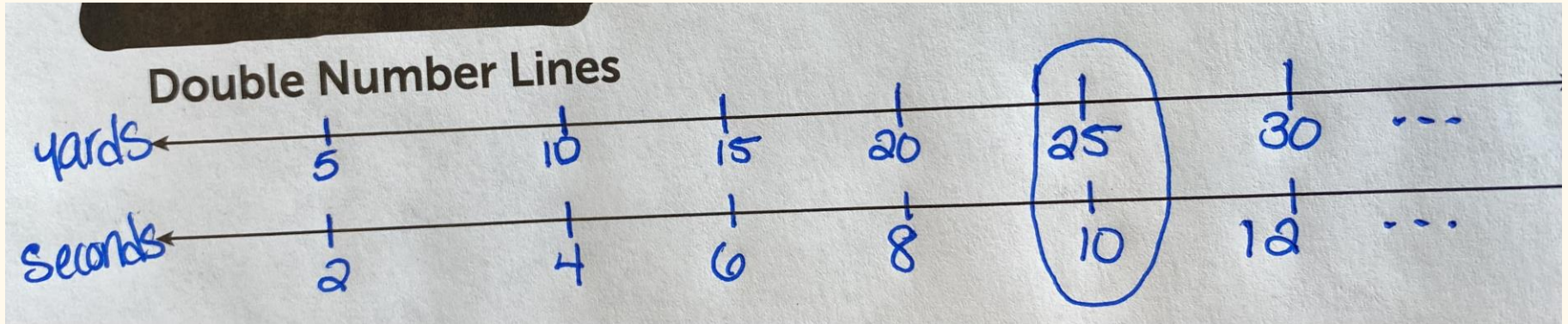
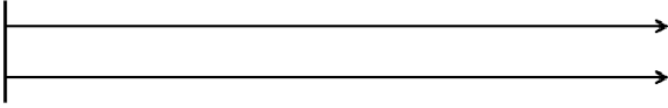


Tools to Represent Ratios

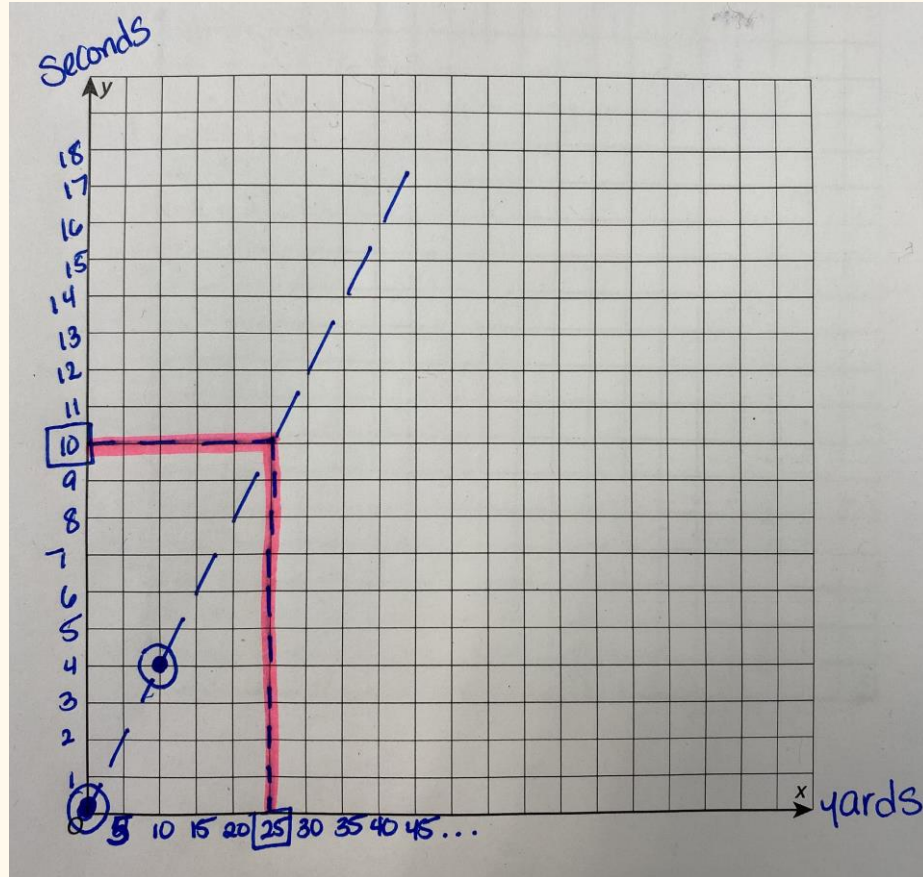
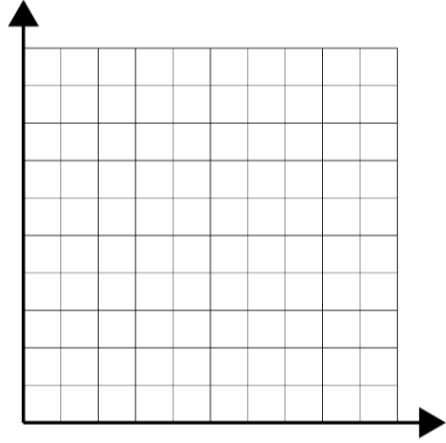


Tools to Represent Ratios

Double Number Lines



Tools to Represent Ratios



At-Home Activities: See Ratios and Rates in the Real World!



1. What conversation can you have with your child about these signs?

2. What questions would you ask them?

3. How is this connected to the strategies and problems we discussed earlier?

4. Where else can you engage in these conversations in your everyday life?

Let's

Please give us feedback!

