

ST Math. Summer Immersion Problem Solving Slide Deck Grade 5

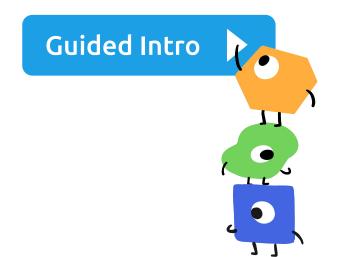
stmath.com

Module 1

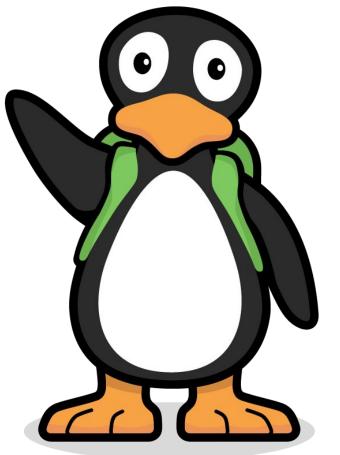
Let's get started on the fun!



New to ST Math?



Who is JiJi?





New to ST Math?





Share ST Math Experience!

What do you know about ST Math?

What do you like about ST Math?

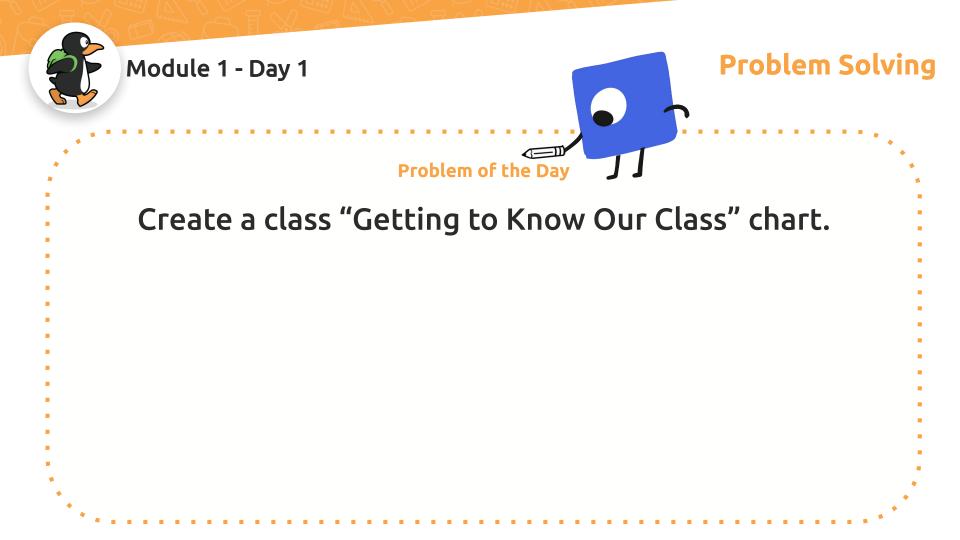
What is your favorite ST Math game? Why?

One ST Math tip I have is . . .

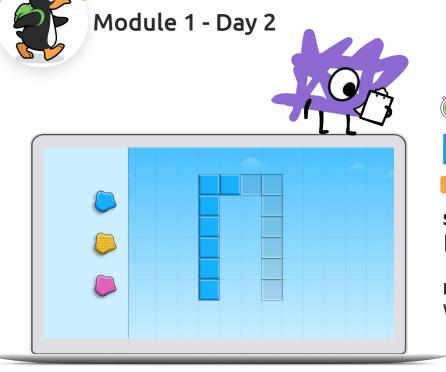
A question I have is . . .

My ST Math Goal is . . .

I'm wondering about . . .







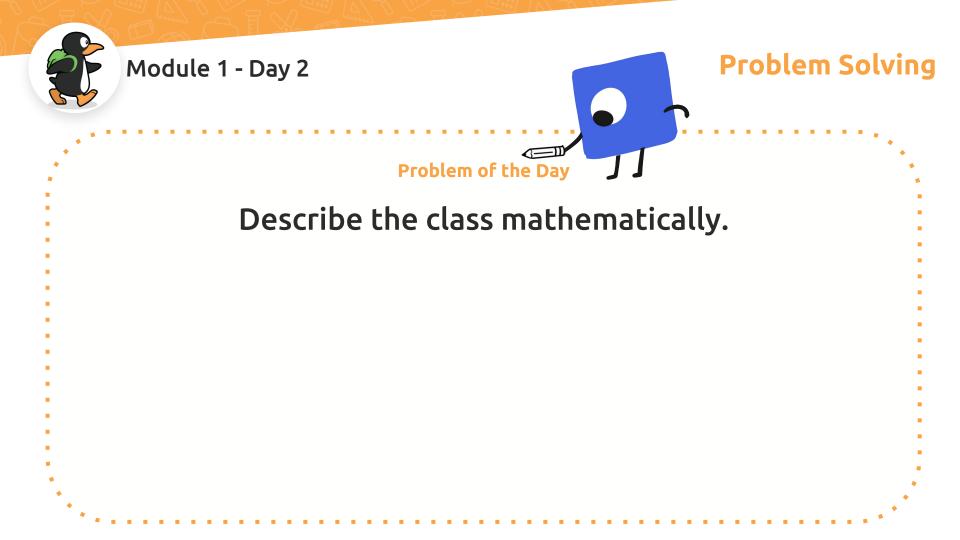


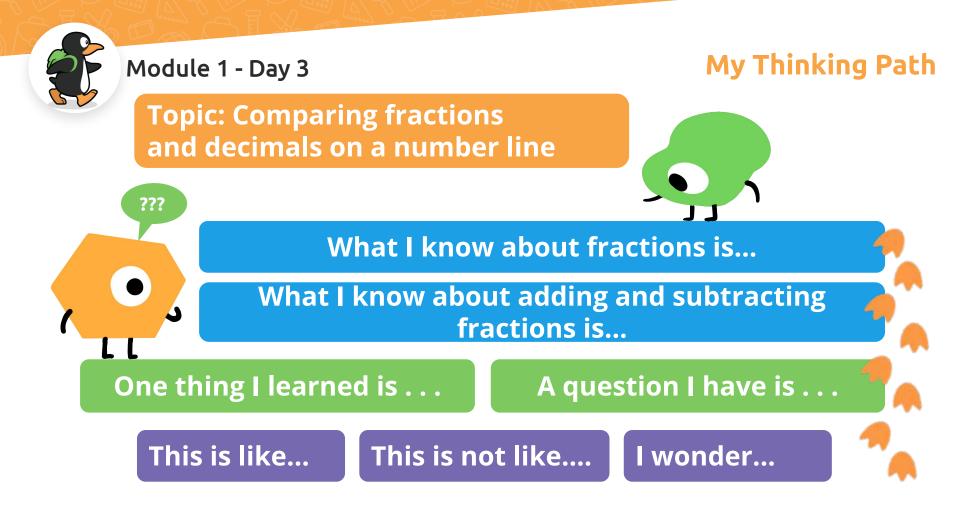


ST Math Puzzle: Big Seed > Level 1

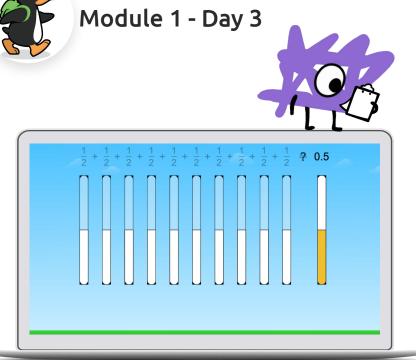
Learning Objective: What do you know about ST Math?











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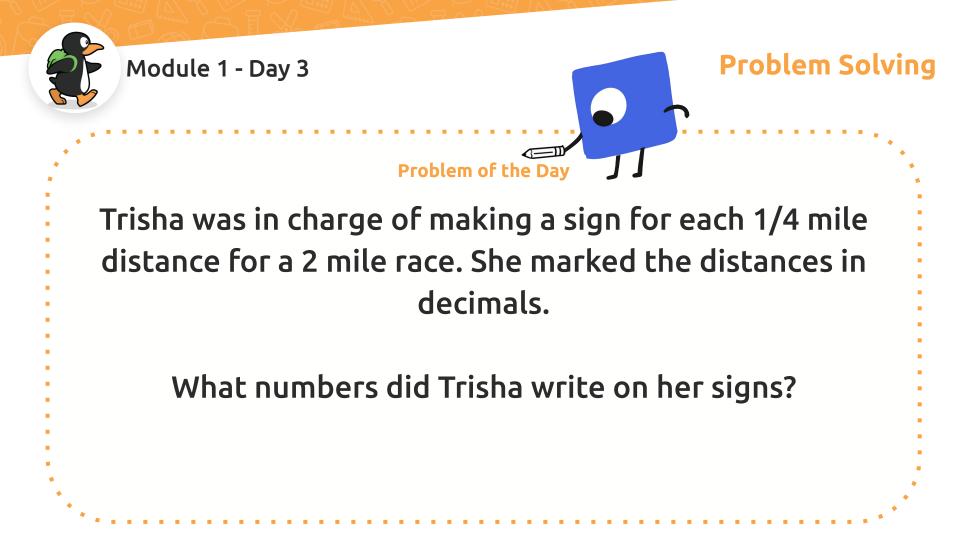
Puzzle Link

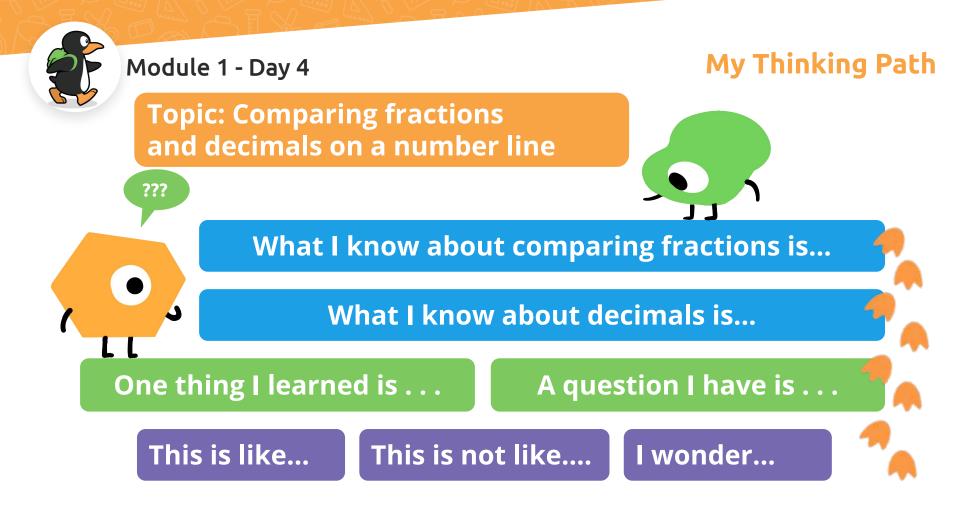


ST Math Puzzle: Complementary Fractions > Level 1

Learning Objective: Comparing fractions and decimals on a number line

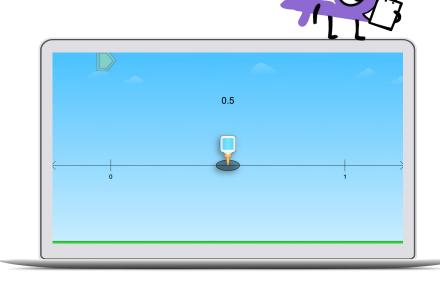














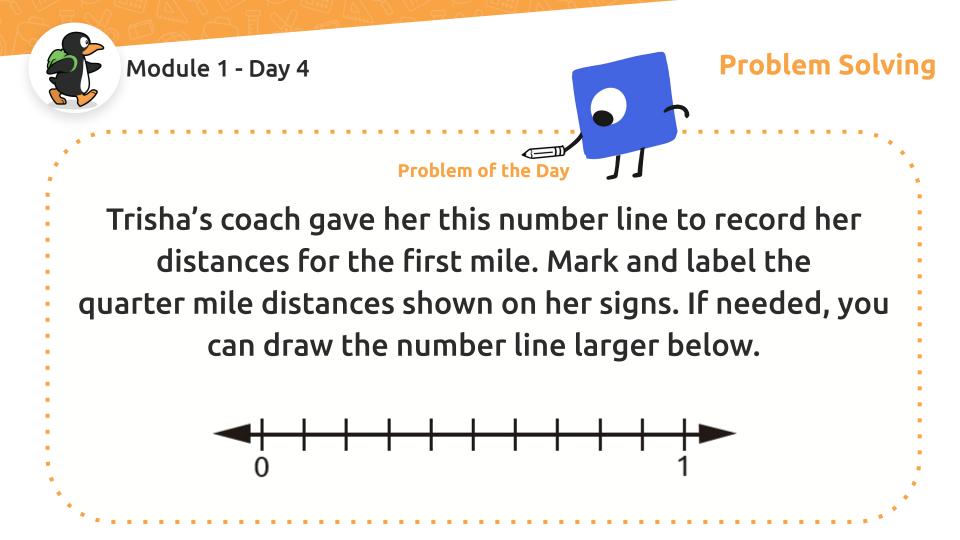
PROBLEM SOLVING!

ST Math Puzzle: Fraction Decimal Trap > Level 1

Learning Objective: Comparing fractions and decimals on a number line

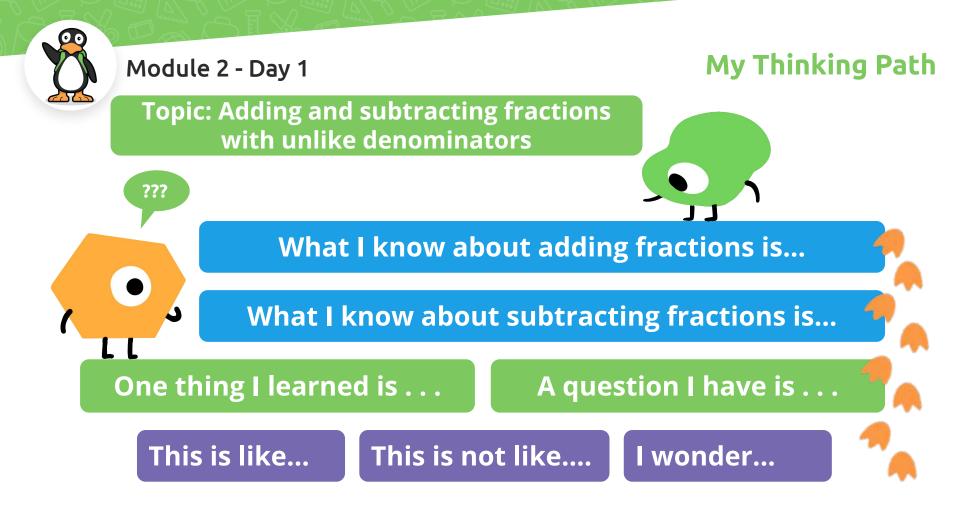




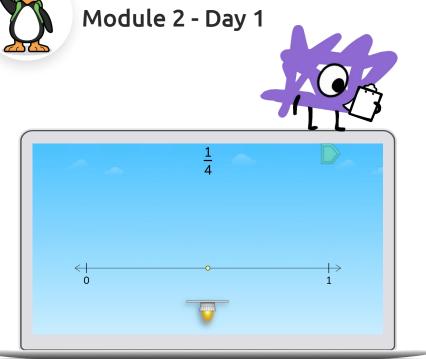


Module 2

Can't wait to see what we do!







Puzzle Talk

Time for **PROBLEM SOLVING!**

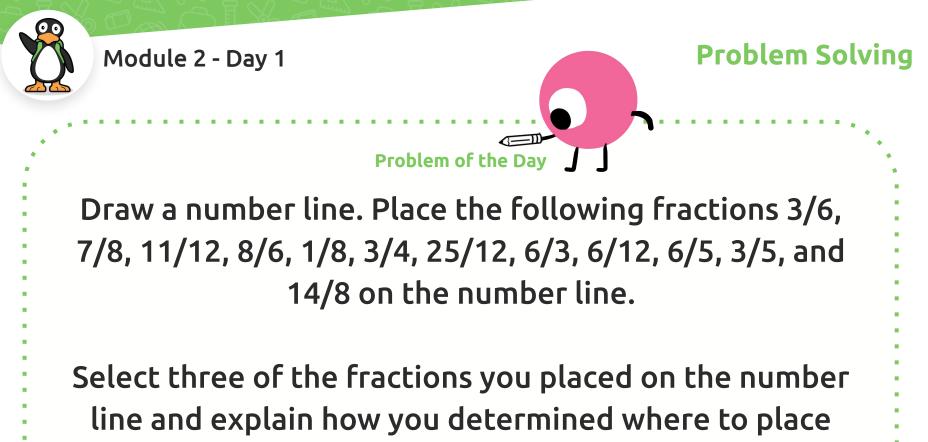
ST Math Puzzle: Estimate Fractions on a Number Line > Level 1

Learning Objective: Adding and subtracting fractions

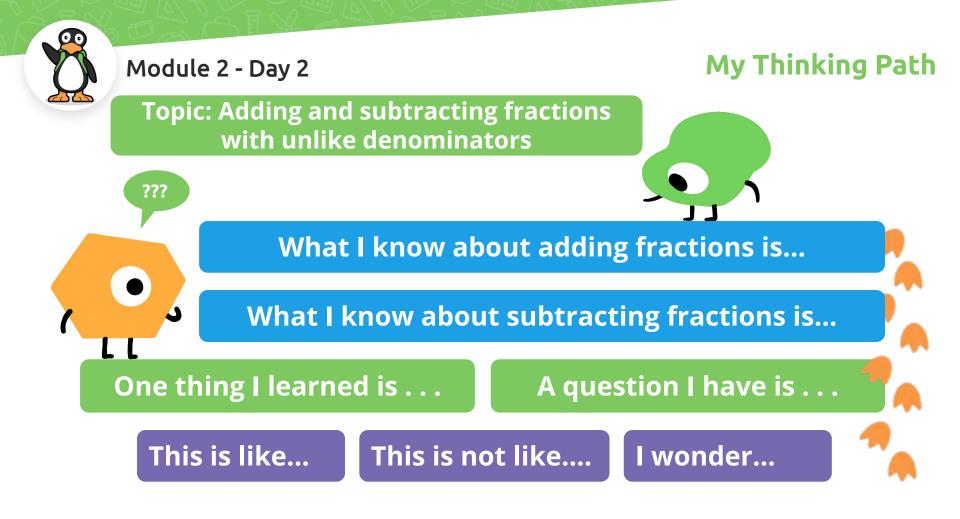
with unlike denominators



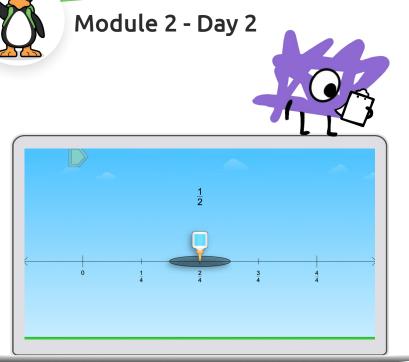




these fractions. Challenge yourself.







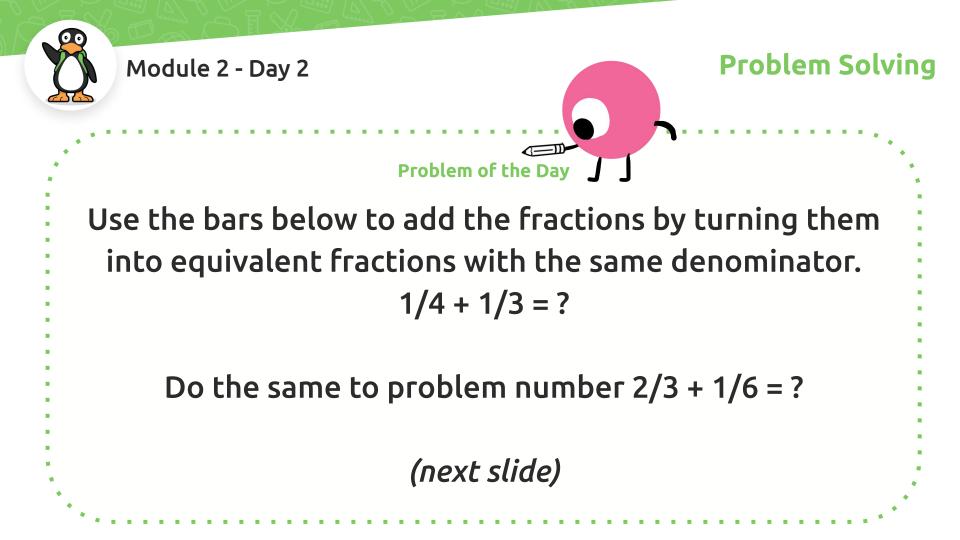


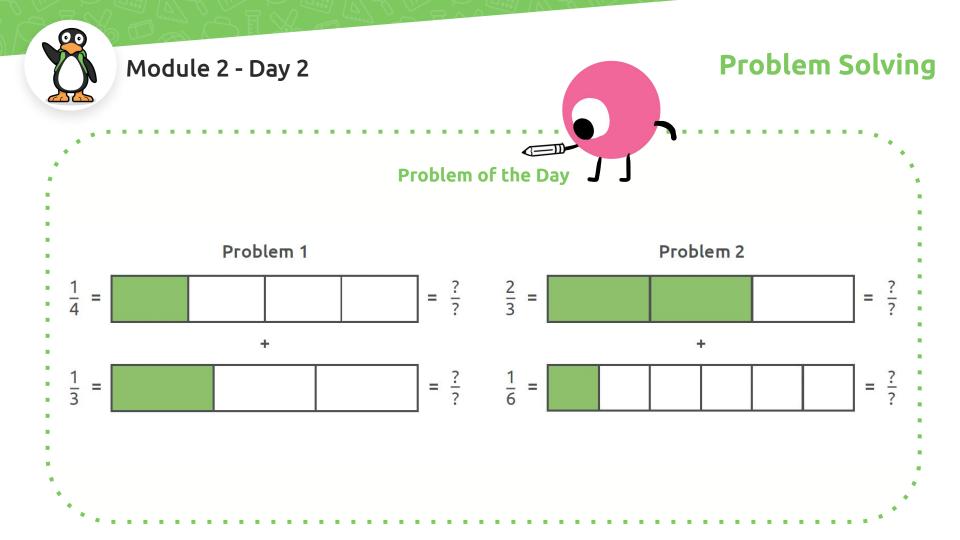


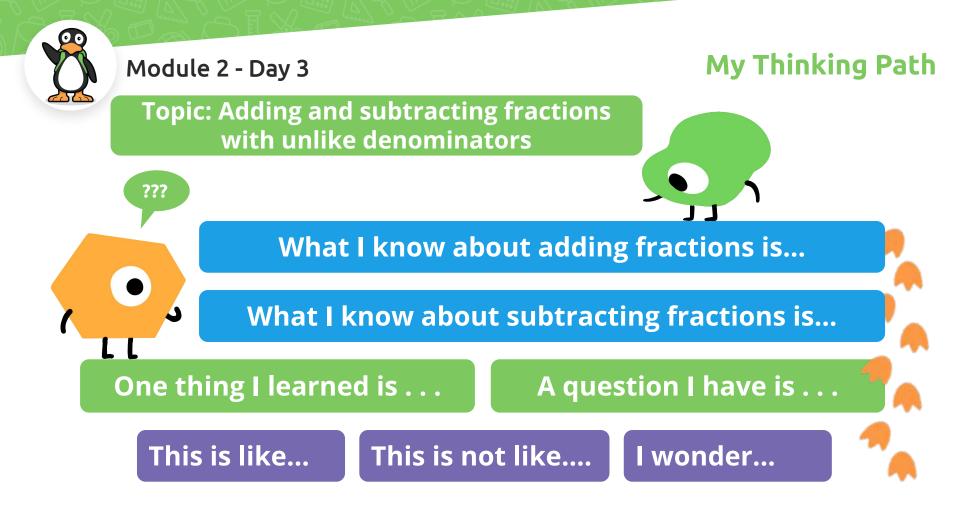
ST Math Puzzle: Number Line Equivalence > Level 1

Learning Objective: Adding and subtracting fractions with unlike denominators













Puzzle Talk



ST Math Puzzle: Pie Monster > Level 1

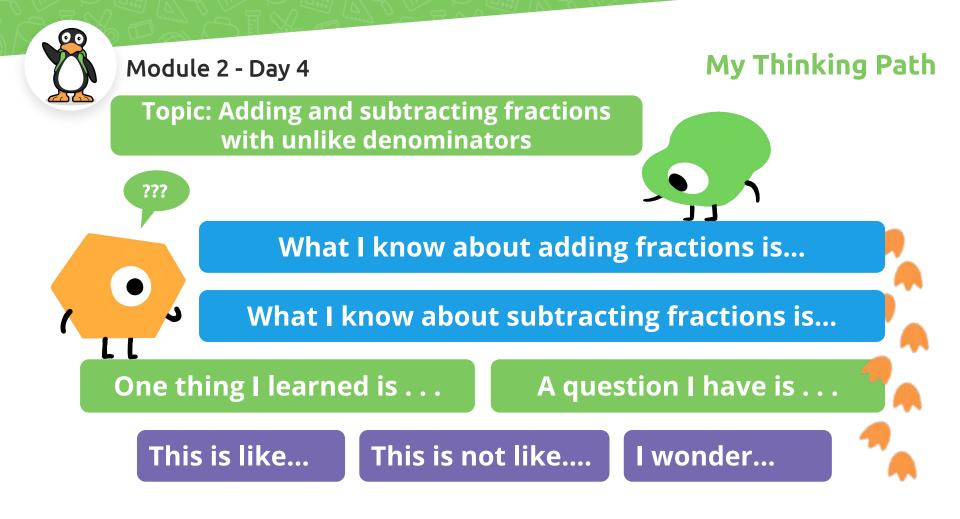
Learning Objective: Adding and subtracting fractions with unlike denominators



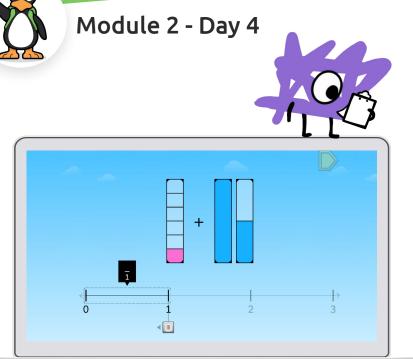




- school picnic. She found a recipe that called
- for 3/4 gallons of fruit punch, 2 quarts of orange juice, 3/8 gallons of lime soda, and 1/2 gallon of water.
- If Darla makes this recipe, will she have as much punch as she wants? Justify your solution.









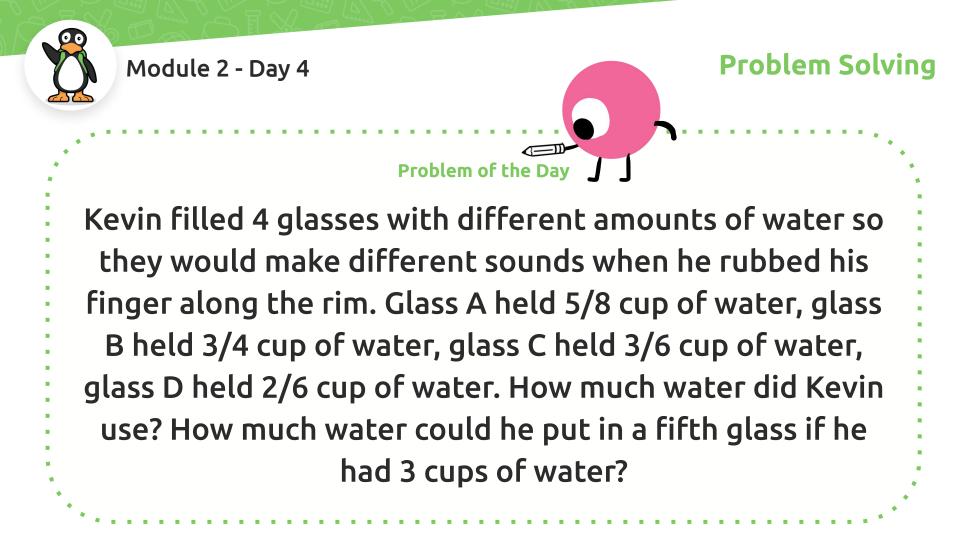
Time for

PROBLEM SOLVING!

ST Math Puzzle: Scale Fraction Visual > Level 1

Learning Objective: Adding and subtracting fractions with unlike denominators

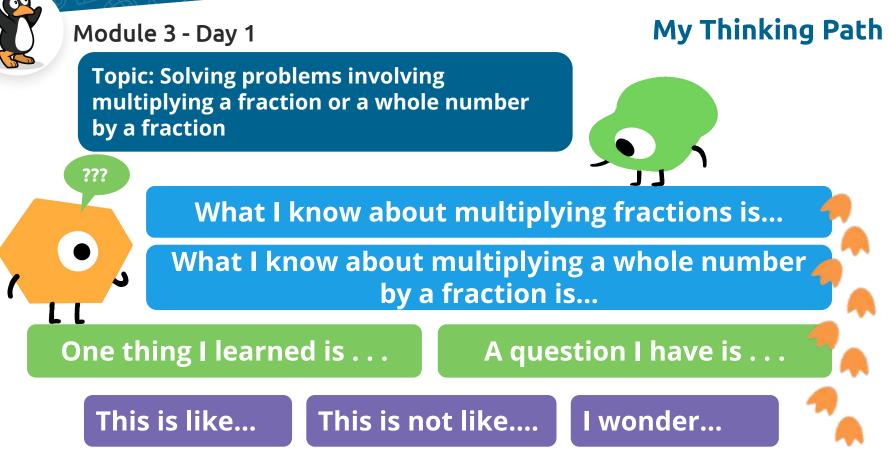




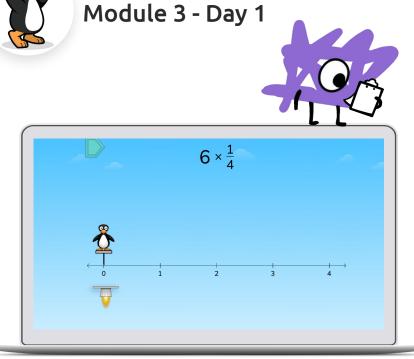
Module 3

Learning math carefree!











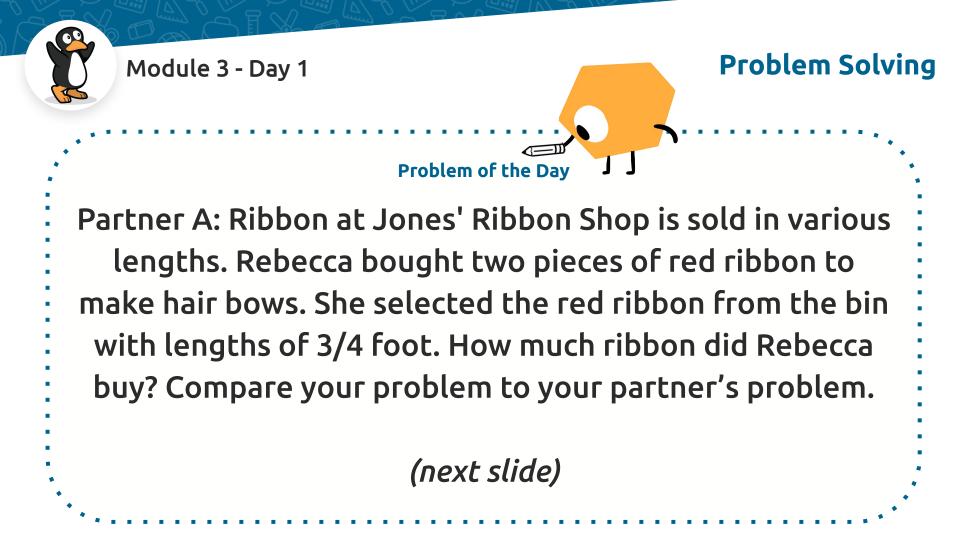


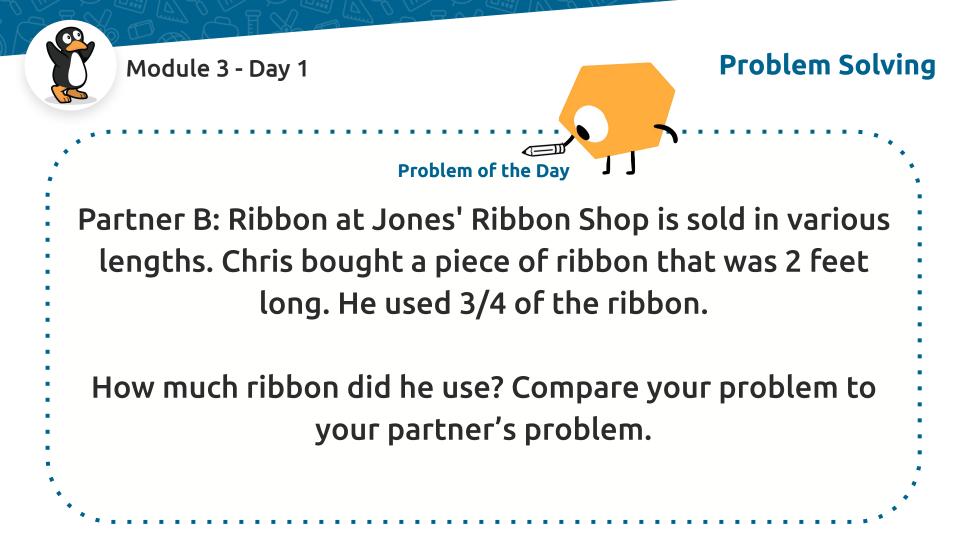
ST Math Puzzle: Unit Multiplication on the Number Line > Level 1

Learning Objective:

Solving problems involving multiplying a fraction or a whole number by a fraction









???

Module 3 - Day 2

My Thinking Path

Topic: Solving problems involving multiplying a fraction or a whole number by a fraction

What I know about multiplying fractions is...

What I know about multiplying a whole number by a fraction is...

One thing I learned is . . .

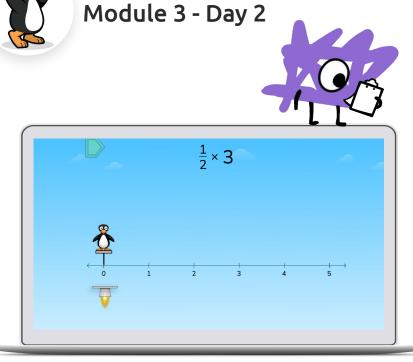
This is like...

A question I have is . . .

This is not like....

I wonder...







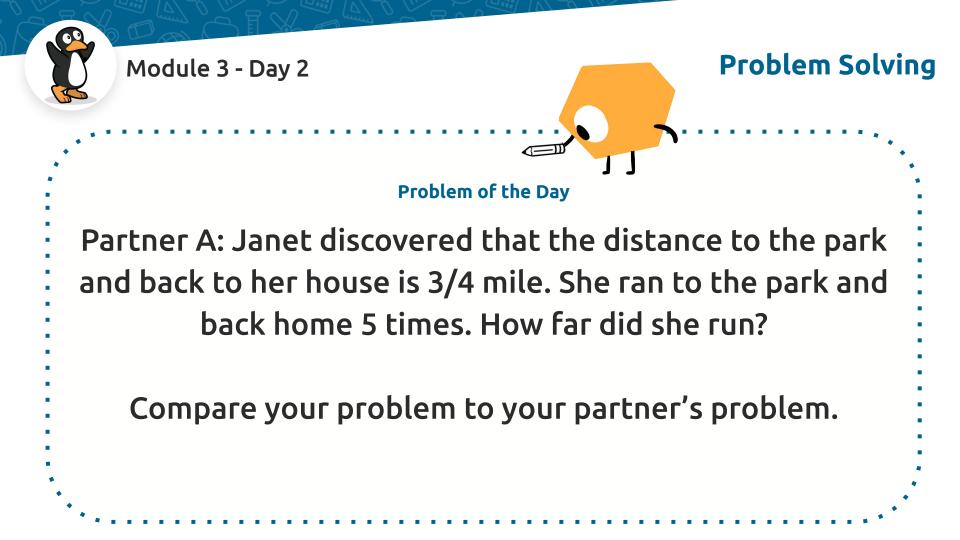


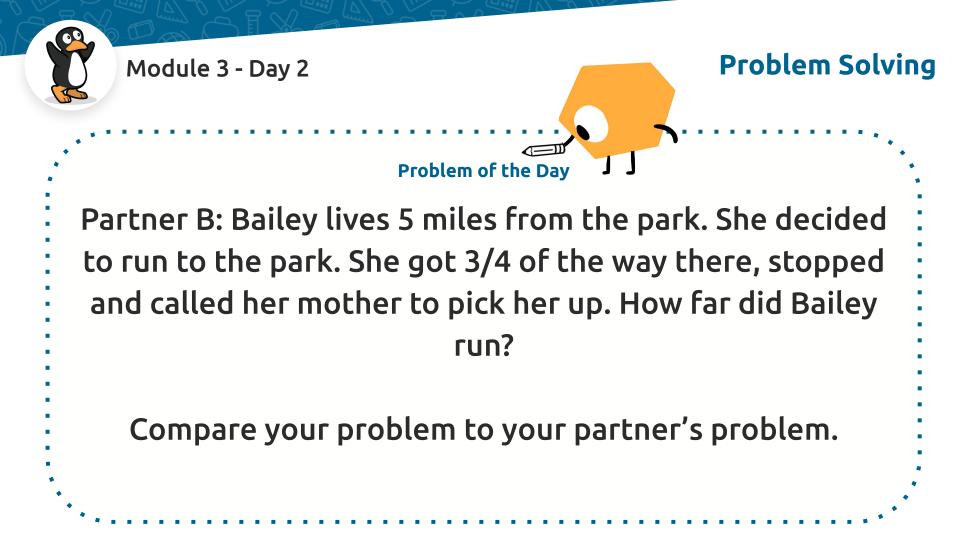
ST Math Puzzle: Unit Multiplication on the Number Line > Level 3

Learning Objective:

Solving problems involving multiplying a fraction or a whole number by a fraction



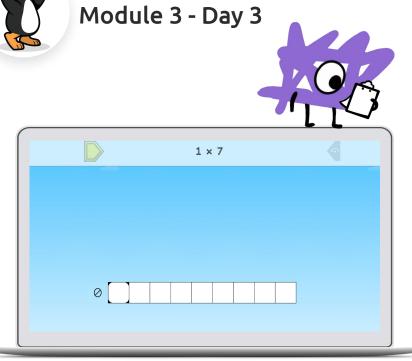






My Thinking Path Module 3 - Day 3 Topic: Solving problems involving multiplying a fraction or a whole number by a fraction ??? What I know about multiplying fractions is... What I know about multiplying a whole number by a fraction is... One thing I learned is . . . A question I have is . . . This is like... I wonder... This is not like....







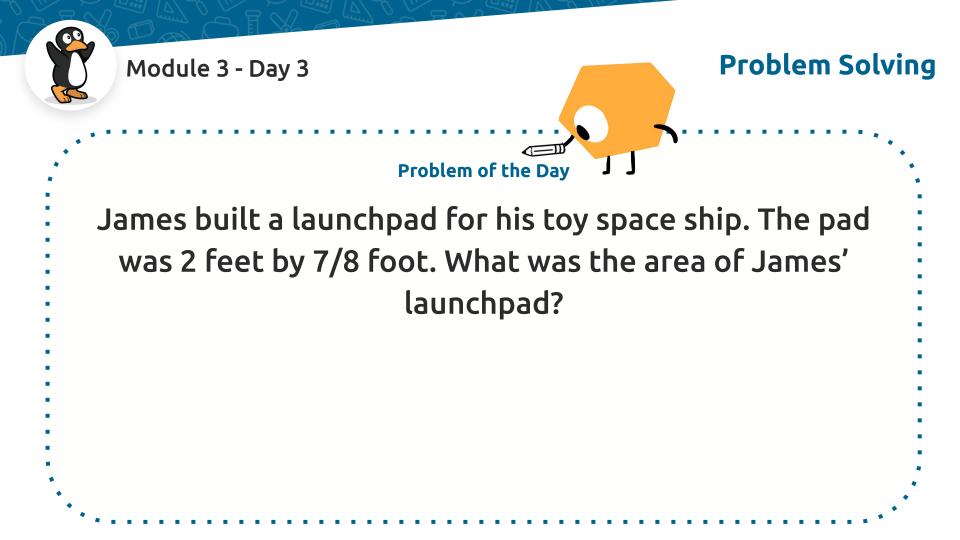
Time for **PROBLEM SOLVING!**

ST Math Puzzle: Unit Multiples > Level 1

Learning Objective: Solving problems involving multiplying a fraction or a whole number by a fraction



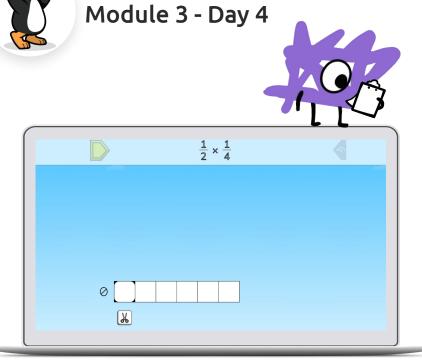






My Thinking Path Module 3 - Day 4 **Topic: Solving problems involving** multiplying a fraction or a whole number by a fraction ??? What I know about multiplying fractions is... What I know about multiplying a whole number by a fraction is... One thing I learned is . . . A question I have is . . . This is like... I wonder... This is not like....







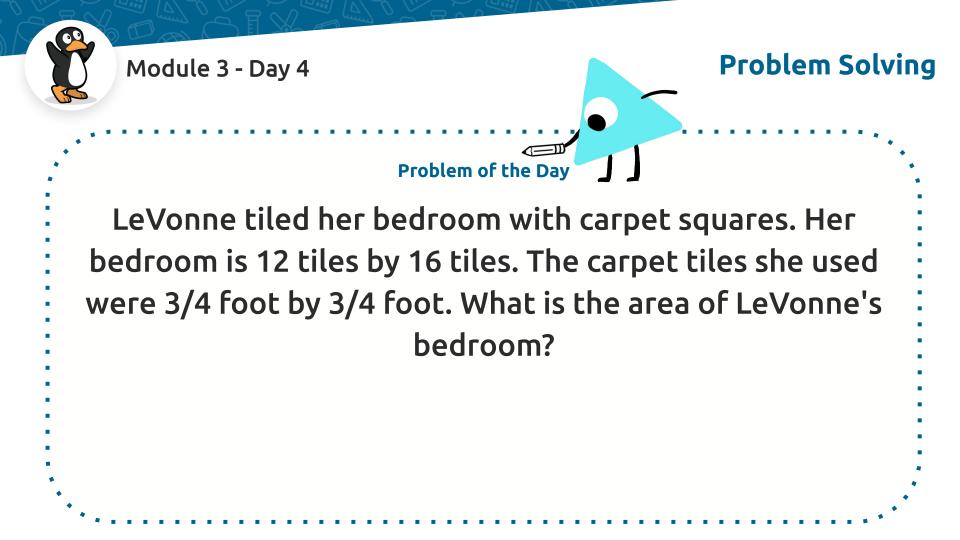
Time for **PROBLEM SOLVING!**

ST Math Puzzle: Fraction Area > Level 1

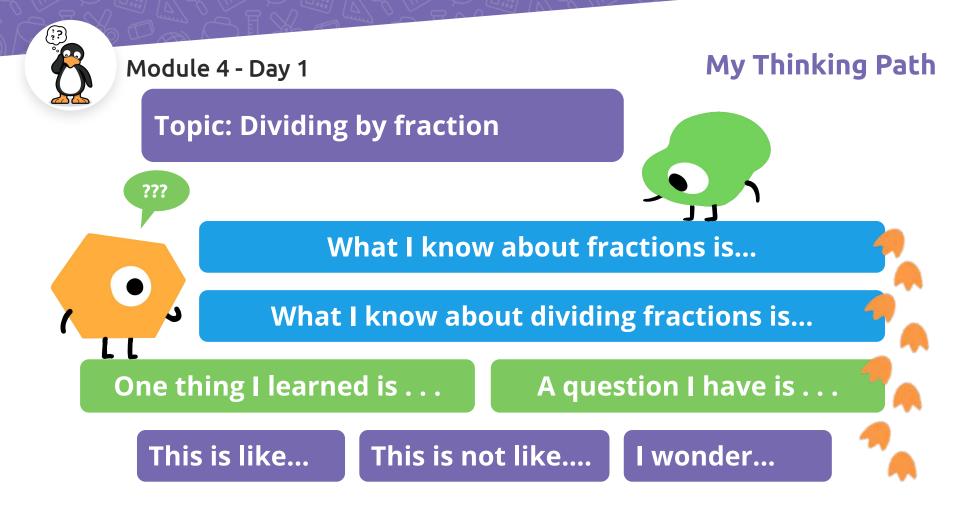
Learning Objective: Solving problems involving multiplying a fraction or a whole number by a fraction







0,, Module 4 Let's learn some more!







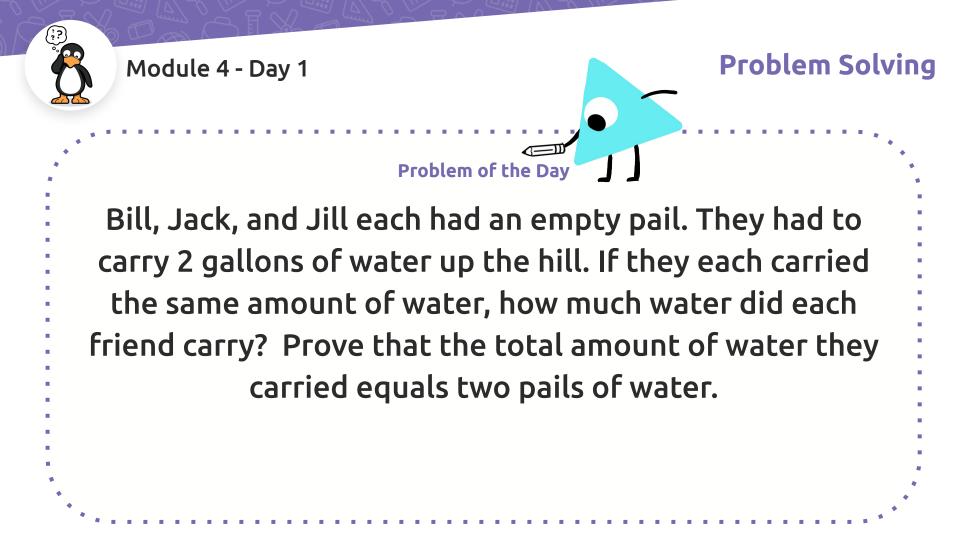


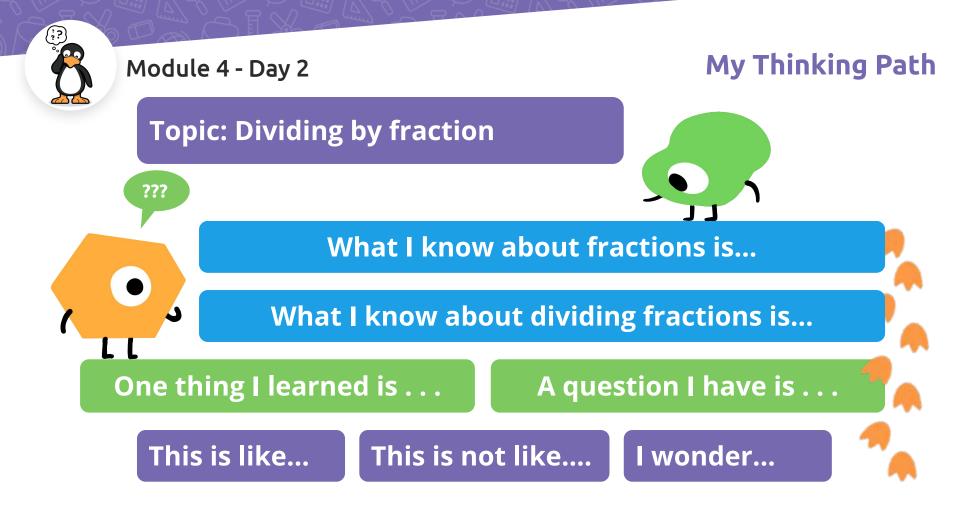
Time for **PROBLEM SOLVING!**

ST Math Puzzle: Fruit Monster > Level 1

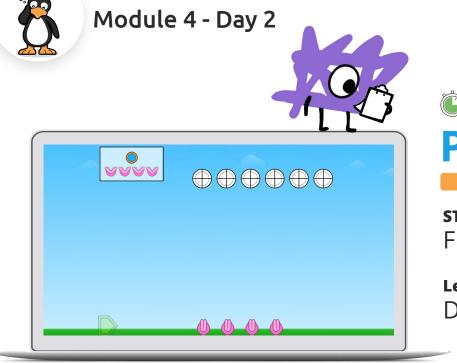












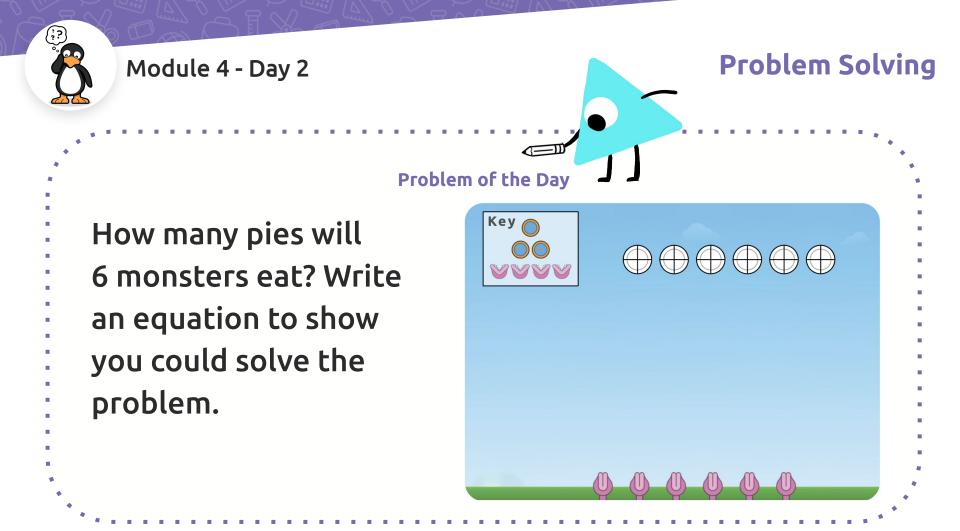


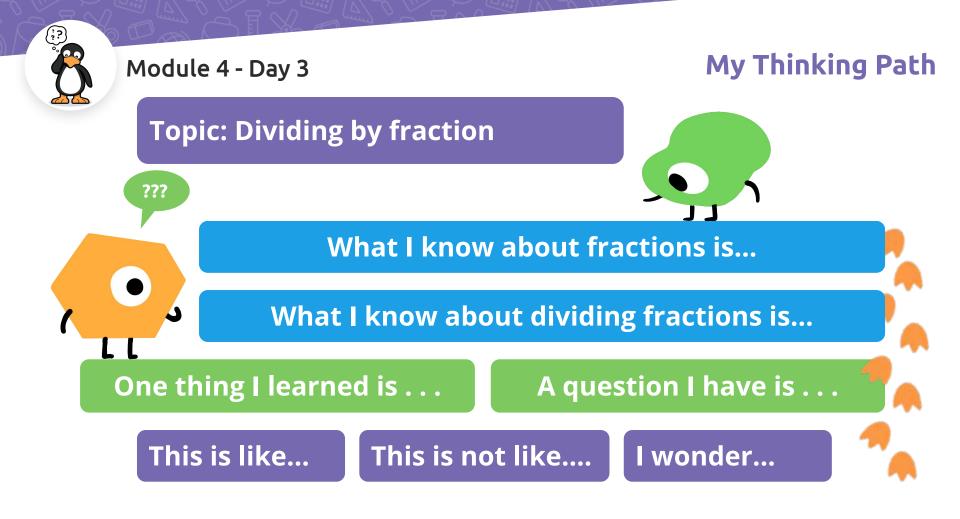
Time for **PROBLEM SOLVING!**

ST Math Puzzle: Fruit Monster > Level 3













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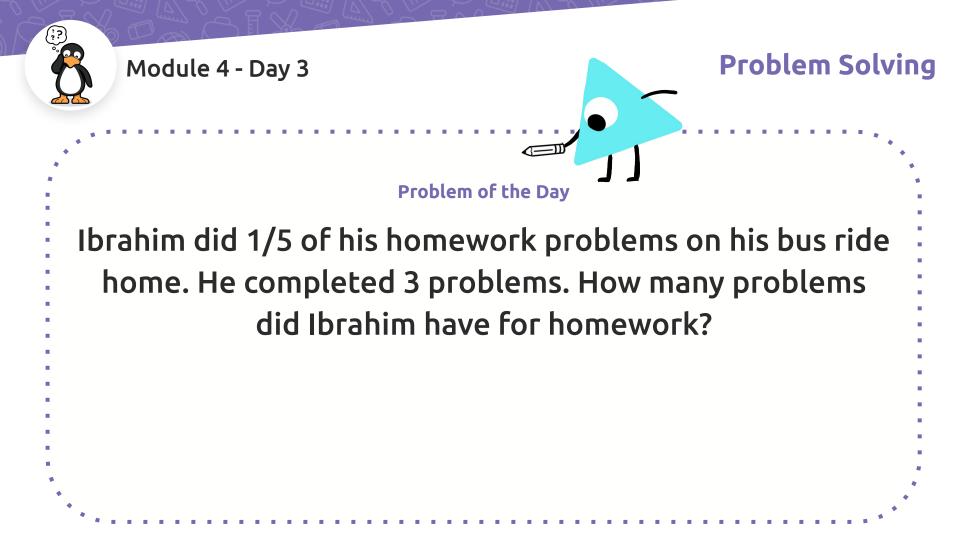
Puzzle Link

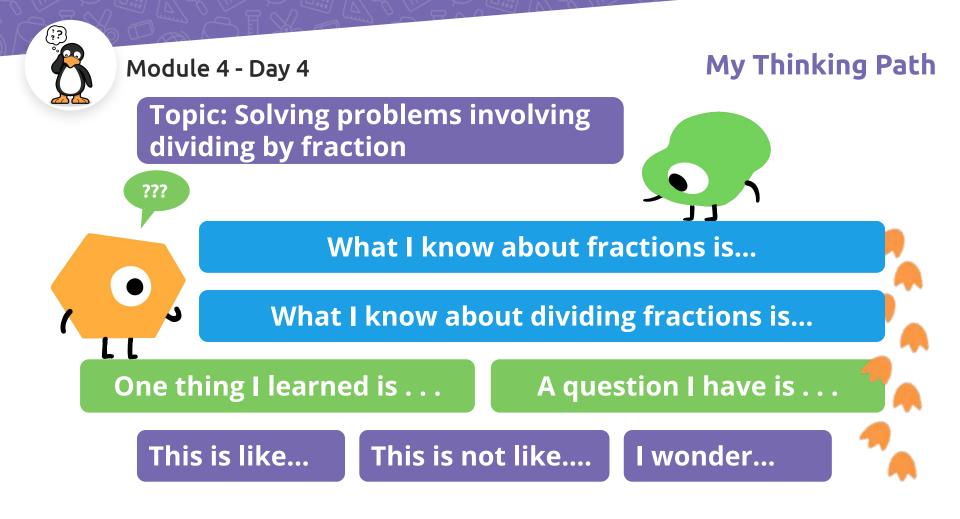
Puzzle Talk

Time for **PROBLEM SOLVING!**

ST Math Puzzle: Select Peanuts > Level 1











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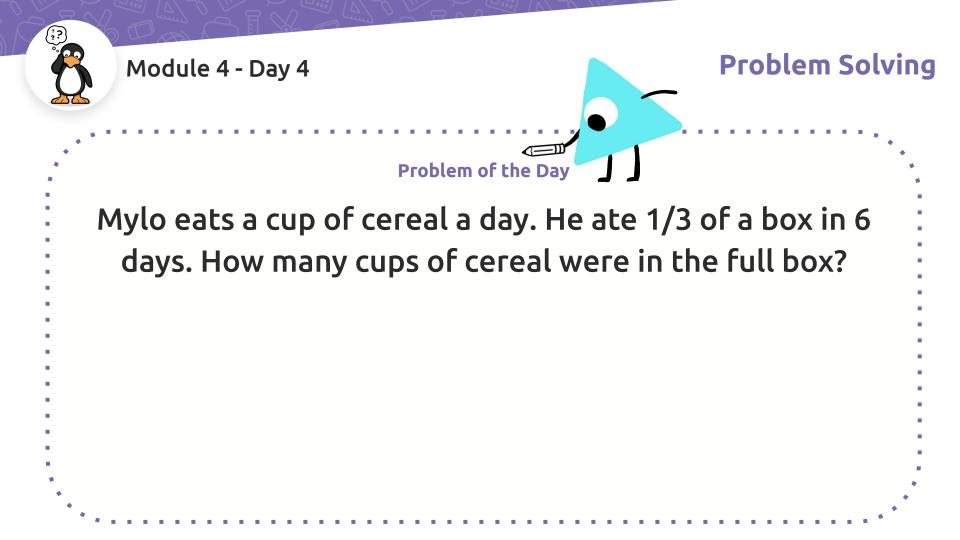
Puzzle Link

Puzzle Talk

Time for **PROBLEM SOLVING!**

ST Math Puzzle: Select Elephants > Level 1

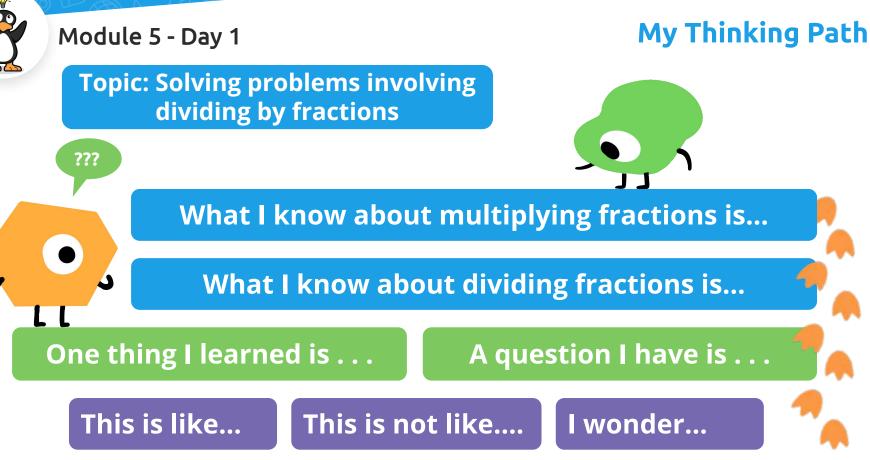




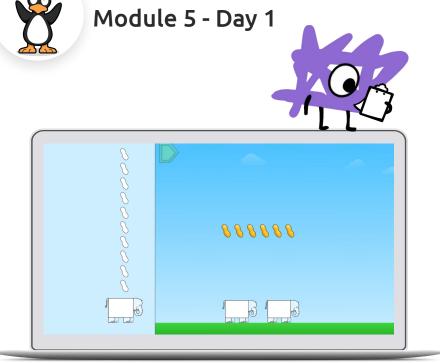
Module 5

Let's see math come alive!













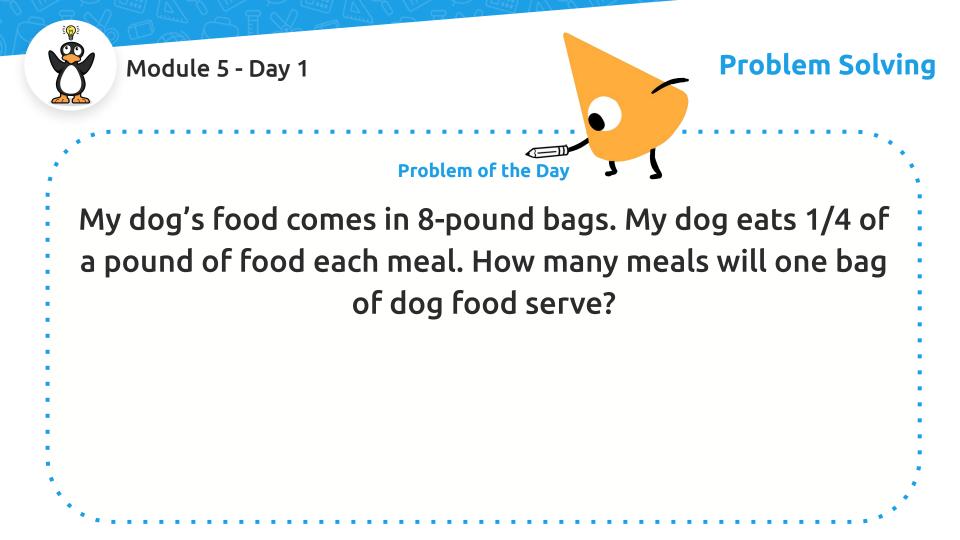
PROBLEM SOLVING!

ST Math Puzzle: Select Peanuts per Elephant > Level 1

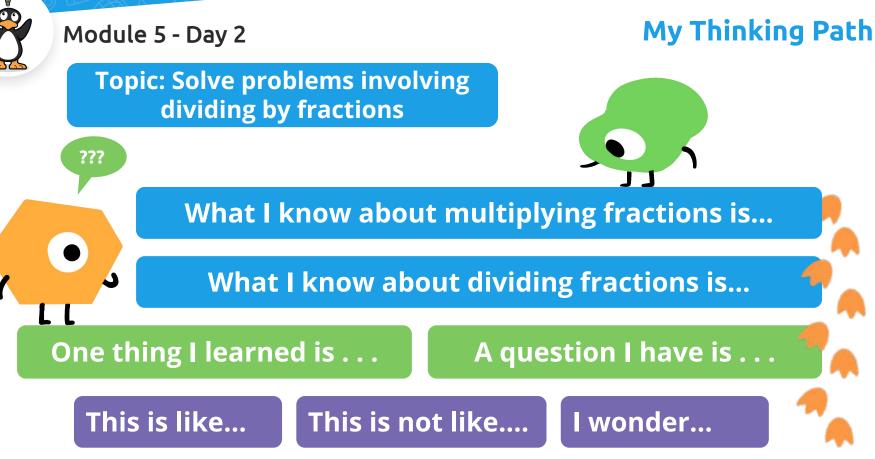
Learning Objective: Solve problems involving dividing by fractions



Puzzle Talk











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Puzzle Link

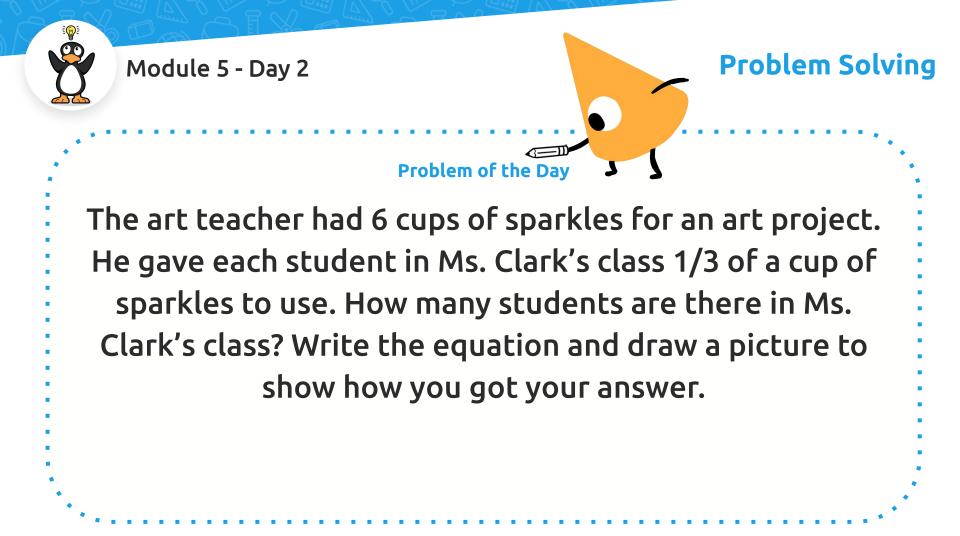
Puzzle Talk

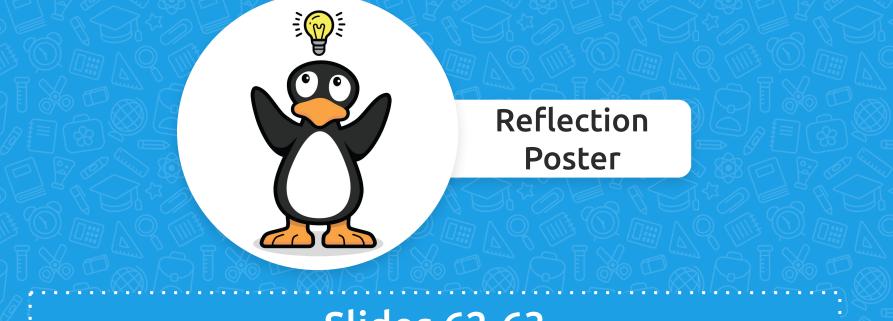
Time for **PROBLEM SOLVING!**

ST Math Puzzle: Select Peanut or Elephant Multiplier > Level 1

Learning Objective: Solve problems involving dividing by fractions







Slides 62-63

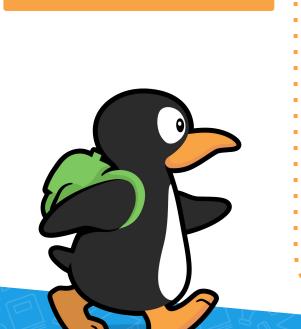
© Time for REFLECTION!



LET'S BRAINSTORM

- ★ What math concepts did you learn this summer?
- ★ What new vocabulary did you learn?
- ★ What strategies did you use when you got stuck?
- ★ How did you become a better
 - mathematician?

© Time for REFLECTION!

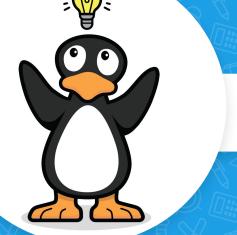


DESIGN A REFLECTION POSTER

Share what you know!

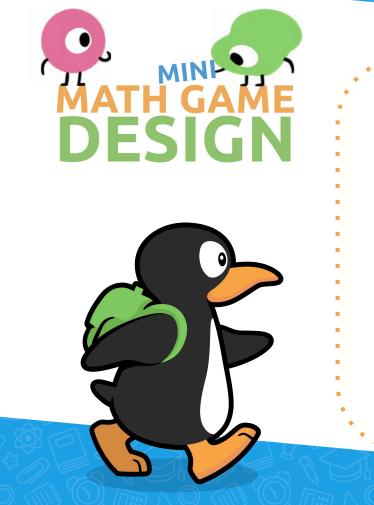
- ★ What math concepts did you learn this summer?
- ★ What new vocabulary did you learn?
- ★ What strategies did you use when you got stuck?
- ★ How did you become a better mathematician?

Make your poster colorful, interesting and informative.



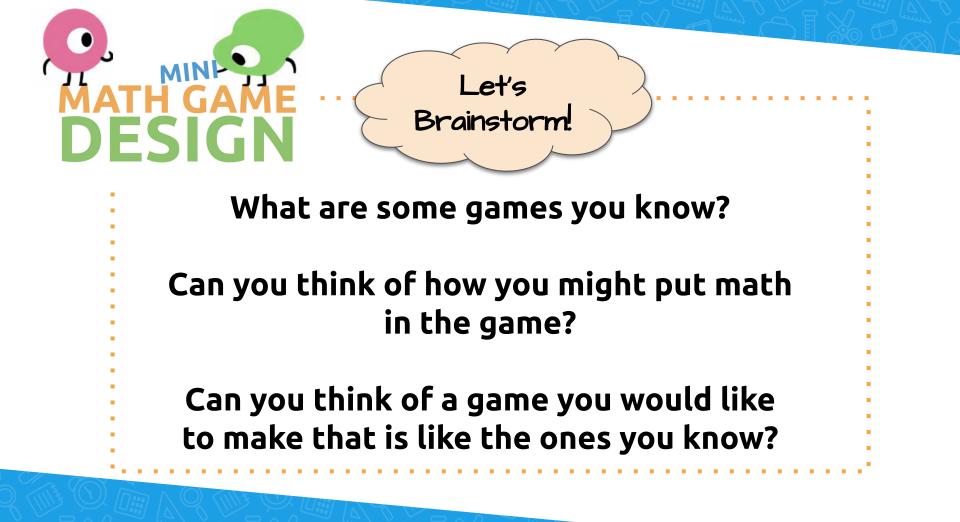
Mini Math Game Design

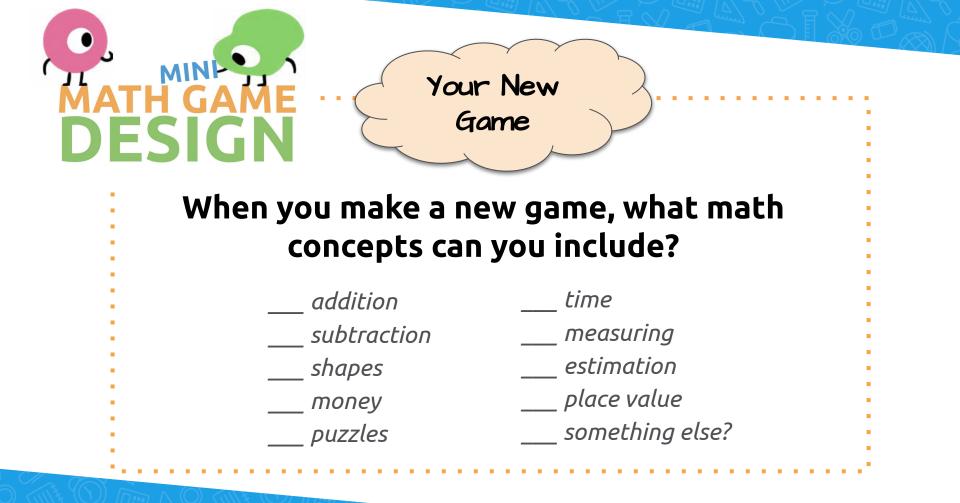
Use Slides 65-69 if using the 4-Day Immersion Program



We are going to create a game like the ones you played this summer!





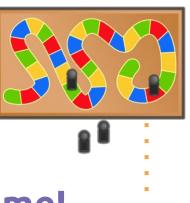




Can you make a game to teach or practice a math concept?

- ★ What is your game called?
- ★ How many players can you have?
- ★ What are the directions and rules for your game?





Now it's time to make a new game!

Work together to make a game that your friends will want to play.

Learning Showcase and Celebration Slides

Velcone to ST Math Immersion's Learning Showcase & Celebration!

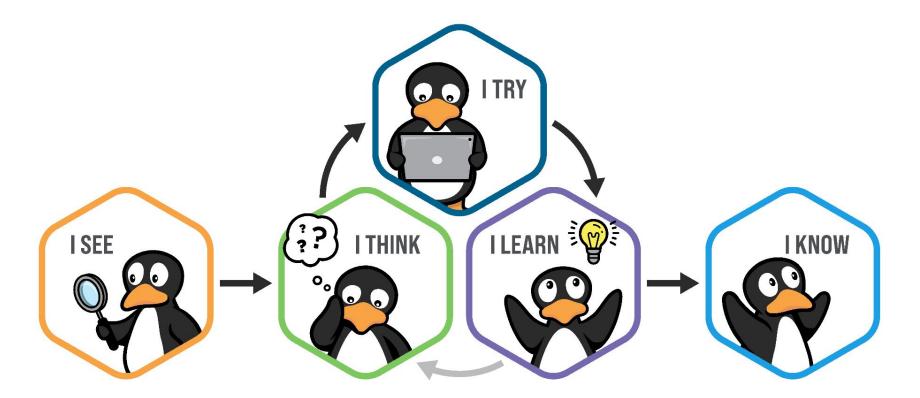
AGENDA (Sample)

10:00 am - Welcome Gallery Walk of Posters 10:15 am - Presentation 10:30 am - Debriefing Time 11:00 am - Game Time 11:30 am - End Time





Problem Solving Process



STMath

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