

# ST Math. Summer Immersion Problem Solving Slide Deck Grade 3

stmath.com

### Module 1

## Let's get started on the fun!



Module 1 - Day 1

## New to ST Math?



Who is JiJi?





### Module 1 - Day 1

### New to ST Math?





#### Module 1 - Day 1

### **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 . . .











## **PROBLEM SOLVING!**

ST Math Puzzle: Big Seed > Level 1

Learning Objective: What do you know about ST Math?











**B** 

Puzzle Link



### Time for **PROBLEM SOLVING!**

ST Math Puzzle: JiJi Cycle Basket > Level 1

**Learning Objective:** Solving problems involving fractions and understanding fractions as numbers











**B** 

Puzzle Link



## Time for **PROBLEM SOLVING!**

ST Math Puzzle: JiJi Cycle > Level 1

**Learning Objective:** Solving problems involving fractions and understanding fractions as numbers





the number line? Who won?

# Module 2

## Can't wait to see what we do!







**B** 

Puzzle Link



## Time for **PROBLEM SOLVING!**

ST Math Puzzle: Pie Monster > Level 1

Learning Objective: Partitioning a whole into equal sections













## Time for **PROBLEM SOLVING!**

ST Math Puzzle: Pie Monster > Level 3

Learning Objective: Partitioning a whole into equal sections

















# **PROBLEM SOLVING!**

ST Math Puzzle: Match Fraction > Level 1

Learning Objective: Partitioning a whole into equal sections









Module 2 - Day 4

<u>0</u> 3	
one whole	





# **PROBLEM SOLVING!**

**ST Math Puzzle:** Match Fraction > Level 2

Learning Objective: Partitioning a whole into equal sections





Brett and 3 classmates were given a bulletin board to present their Math Challenge. They decided to divide the bulletin board so that each of them had an equal amount of space. Show two different ways they could partition the board. Prove that one partition from your first bulletin board example is equivalent to one partition from the second example.

### Module 3

# Learning math carefree!









**G** 

Time for

# **PROBLEM SOLVING!**

ST Math Puzzle: Equal Areas > Level 1

**Learning Objective:** Solve puzzles involving partitioning a rectangle into equal areas













## Time for **PROBLEM SOLVING!**

**ST Math Puzzle:** Equal Division > Level 1

**Learning Objective:** Solve puzzles involving partitioning a rectangle into equal areas

















## **PROBLEM SOLVING!**

ST Math Puzzle: Scale Fraction > Level 1

Learning Objective: Solve puzzles involving partitioning a rectangle into equal areas












Time for

#### **PROBLEM SOLVING!**

ST Math Puzzle: Scale Fraction > Level 4

Learning Objective: Solve puzzles involving partitioning a rectangle into equal areas



**Puzzle Talk** 



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









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

#### Learning Objective: Comparing fractions on a number

line













ST Math Puzzle: Estimate Fractions on a Number Line > Level 4

Learning Objective: Comparing fractions on a number

line











**B** 

Puzzle Link



#### Time for **PROBLEM SOLVING!**

**ST Math Puzzle:** Fraction Trap > Level 1

**Learning Objective:** Comparing fractions on a number line













**ST Math Puzzle:** Fraction Trap > Level 2

**Learning Objective:** Comparing fractions on a number line







# Module 5

#### Let's see math come alive!









Time for

#### **PROBLEM SOLVING!**

ST Math Puzzle: Fraction Bricks > Level 1

**Learning Objective:** Comparing fractions and equivalent fractions



**Puzzle Talk** 











ST Math Puzzle: Fraction Order Fill > Level 1

**Learning Objective:** Comparing fractions and equivalent fractions







fraction of milk each person drank and put them in order from most to the least amount of milk each

person drank.



#### **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

## **Created by MIND Research Institute**



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