



OOKLET

This journal belongs to:



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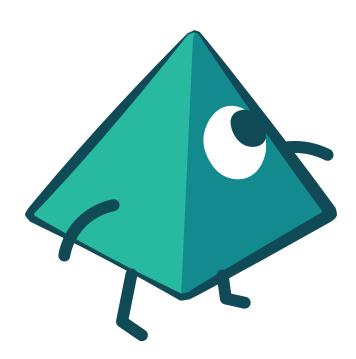
OOKLET

This journal belongs to:



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### Starting my math journey...



What do I wonder?
What do I know?

### What do I know:

### PROBLEM OF THE DAY | GK\_POD\_W1\_D1

Make a "Getting to Know Our Class" chart.









### PROBLEM OF THE DAY | GK\_POD\_W1\_D2

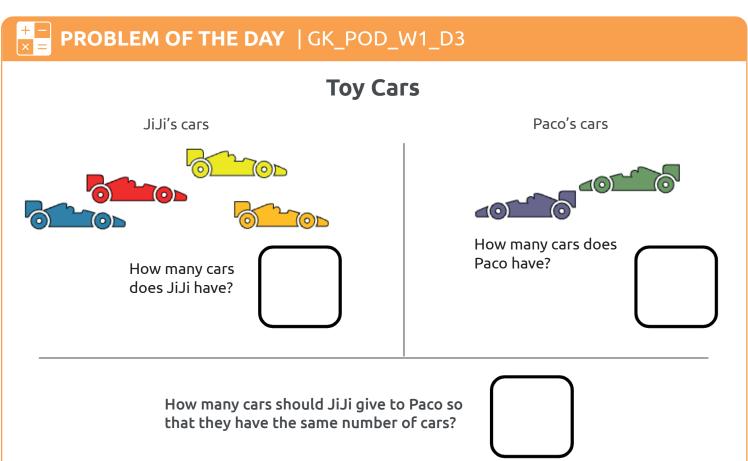
Describe the class mathematically. Use tally marks

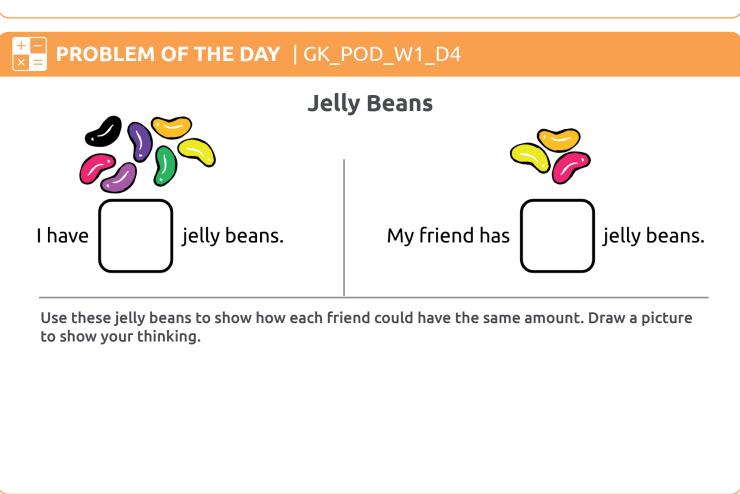


to fill in the tables.

### Our Class Mathematically

Class	Pets
Dog	
Cat	
Fish	
Bird	







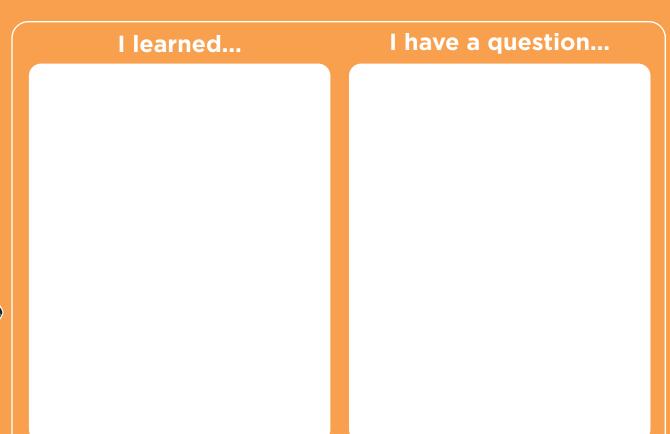


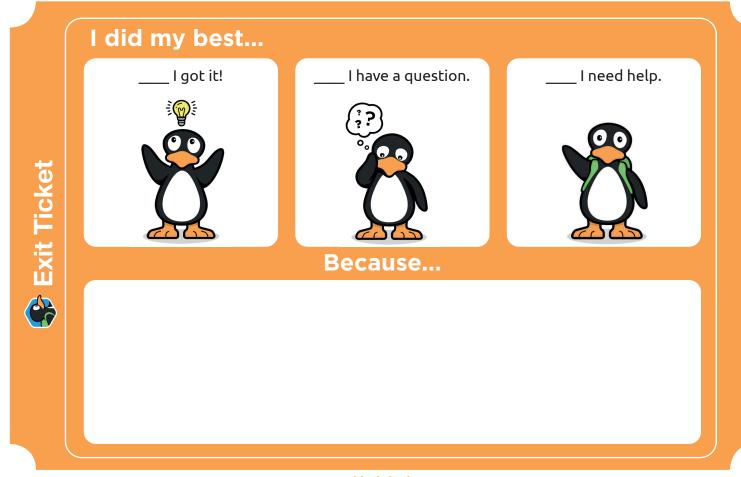
### Reflecting on my math journey...



What did I learn?
What do I still wonder?

# What do I still wonder?





ST Math Puzzle Reflection	Draw what happened.
First	Next
Then	
What did y	you learn?





### Starting my math journey...

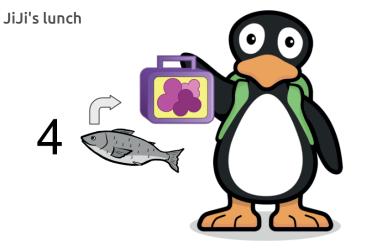


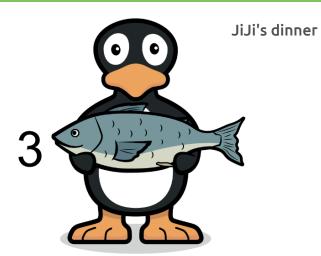
What do I wonder?		

### What do I know?



### PROBLEM OF THE DAY | GK\_POD\_W2\_D1





How many fish did JiJi eat altogether?





### PROBLEM OF THE DAY | GK\_POD\_W2\_D2

There were 6 cookies on the plate and 2 cookies left in the bag.





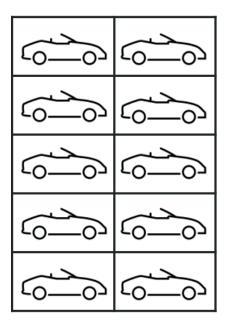
How many cookies are there altogether?

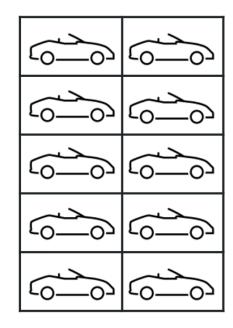


### + -× =

### PROBLEM OF THE DAY | GK\_POD\_W2\_D3

Juan had 10 toy cars in a box. Some were red, and some were blue. How many could be red, and how many could be blue? Color the cars to show two different ways he could have 10 toy cars.





### + -× =

### PROBLEM OF THE DAY | GK\_POD\_W2\_D4

Write a number sentence for each toy car box you colored in the picture above.



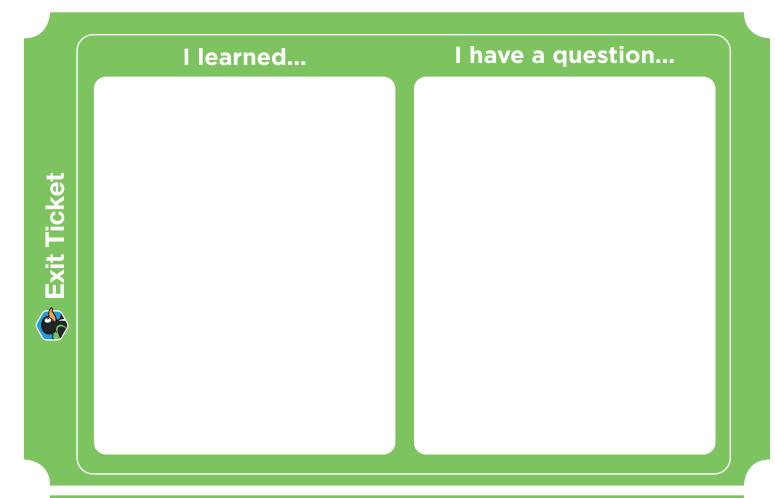


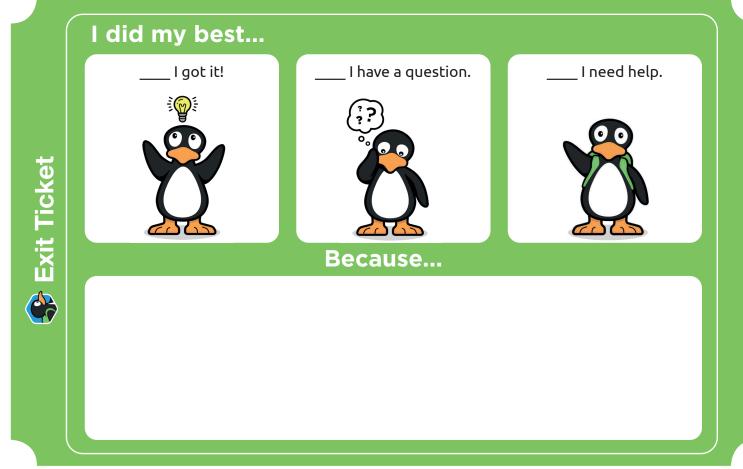
### Reflecting on my math journey...

What did I learn?



,	What do I still wonder	?	
,	What do I still wonder	?	
,	What do I still wonder	?	
	What do I still wonder	?	





### ST Math Puzzle Reflection 1 First

Draw what happened.

Next

Then Last



What did you learn?

### ST Math Puzzle Reflection 2

What did you learn?



Draw a picture.

Math Words





### Starting my math journey...

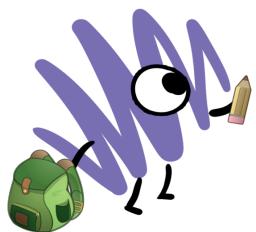


V	Vhat do I wonder?

What do I know?	



### PROBLEM OF THE DAY | GK\_POD\_W3\_D1



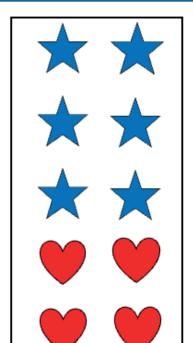
She gave her friend some / pencils.

She has 5 / left.

How many / did she give to her friend?



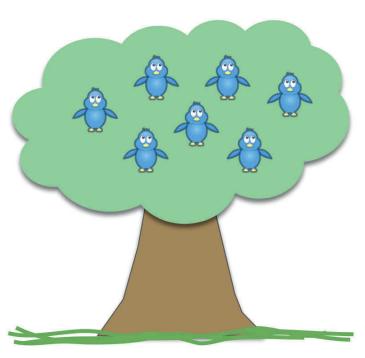
### **PROBLEM OF THE DAY** | GK\_POD\_W3\_D2



Greg has 10 stickers. He put 1 ★ sticker on his backpack and 3 ♥ stickers on his pencil box. How many stickers does he have left?

### + -× =

### PROBLEM OF THE DAY | GK\_POD\_W3\_D3



There are  $7 \stackrel{?}{\clubsuit}$  on the  $\stackrel{?}{\clubsuit}$ . If  $3 \stackrel{?}{\clubsuit} \stackrel{J}{\clubsuit}$  fly away, how many  $\stackrel{?}{\clubsuit}$  are left on the  $\stackrel{?}{\clubsuit}$ ?

### + -× =

### PROBLEM OF THE DAY | GK\_POD\_W3\_D4



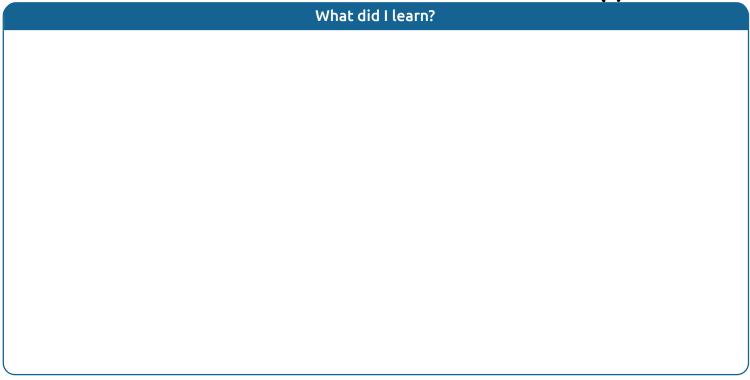
Mio baked 8 cookies. She ate some, and some were left on the tray. How many did she eat?



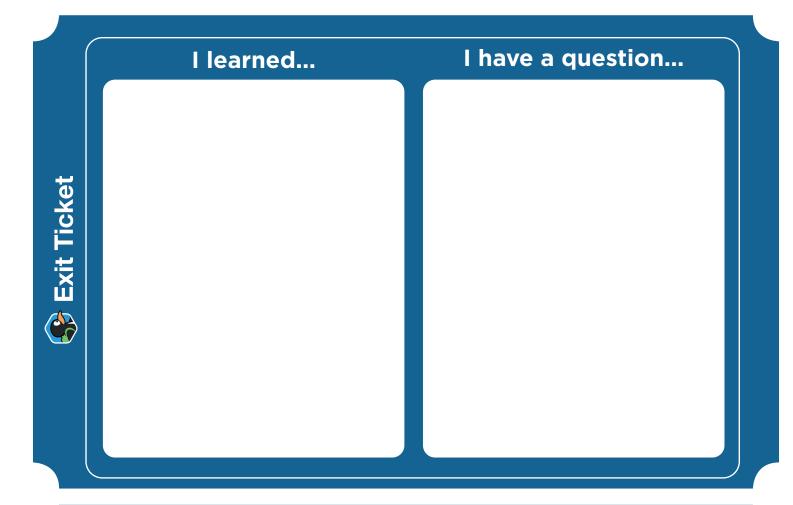
**TOPIC:** 

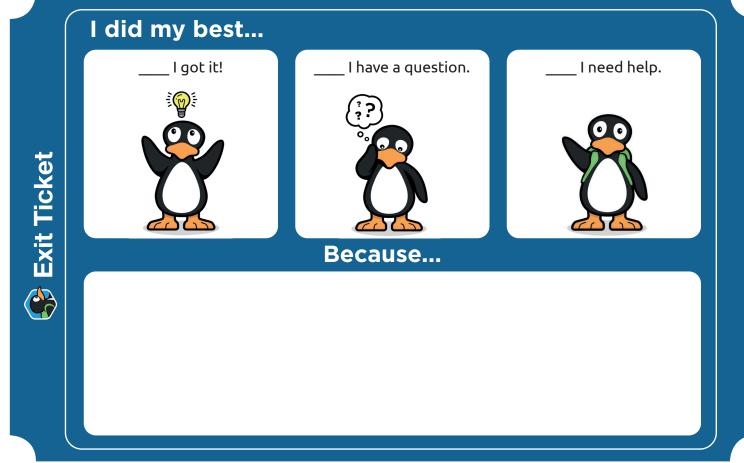
### Reflecting on my math journey...





What do I still wonder?





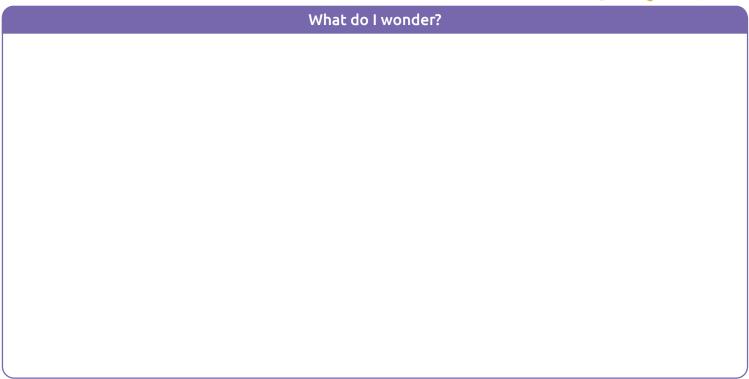
ST Math Puzzle Reflection 1	Draw what happened.
First	Next
Then	Last
What did you lear	rn?

### ST Math Puzzle Reflection 2 What did you learn? Draw a picture. Math Words



**TOPIC:** 



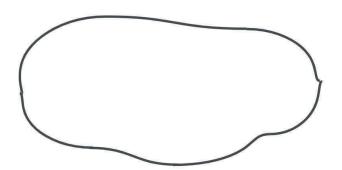


What do I know?



### PROBLEM OF THE DAY | GK\_POD\_W4\_D1

Draw a bracelet with 3 red beads and 2 blue beads. How many white beads will you need to add to make 10 beads? Draw the white beads.









Blue Beads

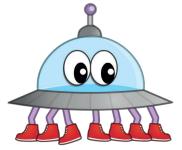


**Red Beads** 



### PROBLEM OF THE DAY | GK\_POD\_W4\_D2

Show the alien spaceship all the ways to make 7.





### **PROBLEM OF THE DAY** | GK\_POD\_W4\_D3

There are 8 cupcakes. Some have pink frosting, and some have yellow frosting. How many are pink, and how many are yellow?



### + -× =

### PROBLEM OF THE DAY | GK\_POD\_W4\_D4



Chicken

A farmer counts 10 feet. How many chickens and how many sheep did the farmer count?



Sheep



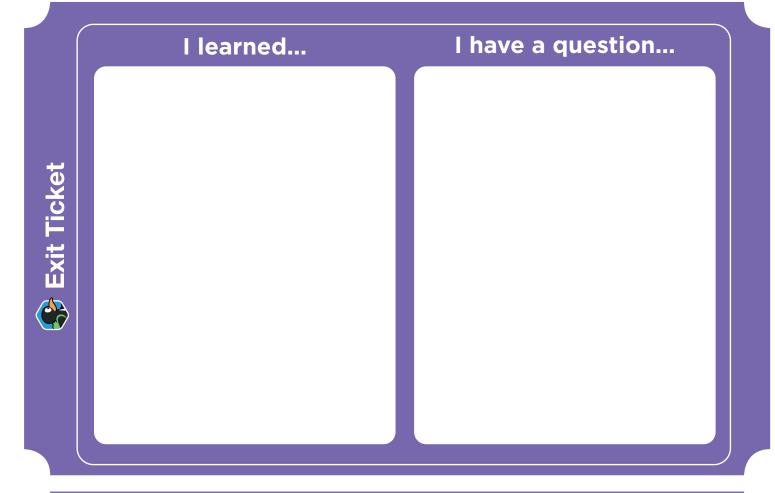


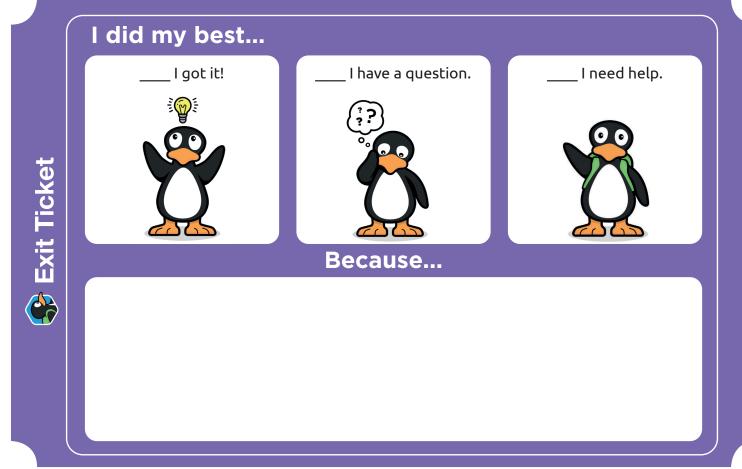
### Reflecting on my math journey...



What did I learn?	

What do I still wonder?	





ST Math Puzzle Reflection	Draw what happened.
First	Next
Then	Last
What did y	you learn?

### ST Math Puzzle Reflection 2

What did you learn?



Draw a picture.

Math Words







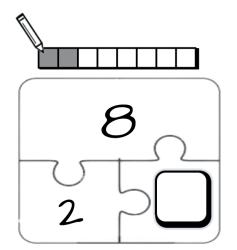
What do I wonder?	

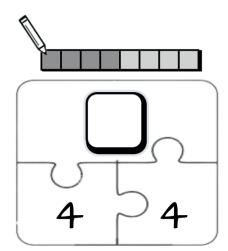
## What do I know?

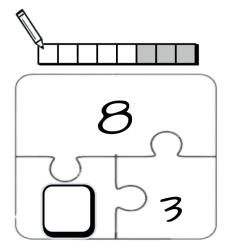


### PROBLEM OF THE DAY | GK\_POD\_W5\_D1

Solve the puzzles.



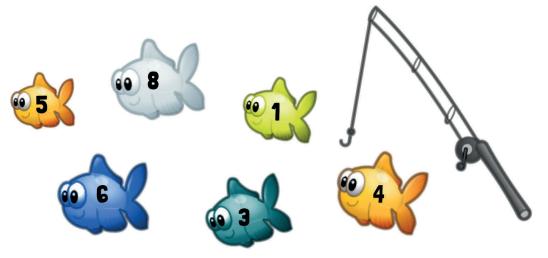






### PROBLEM OF THE DAY | GK\_POD\_W5\_D2

Fishing Game: Circle two fish that will make 9 points.





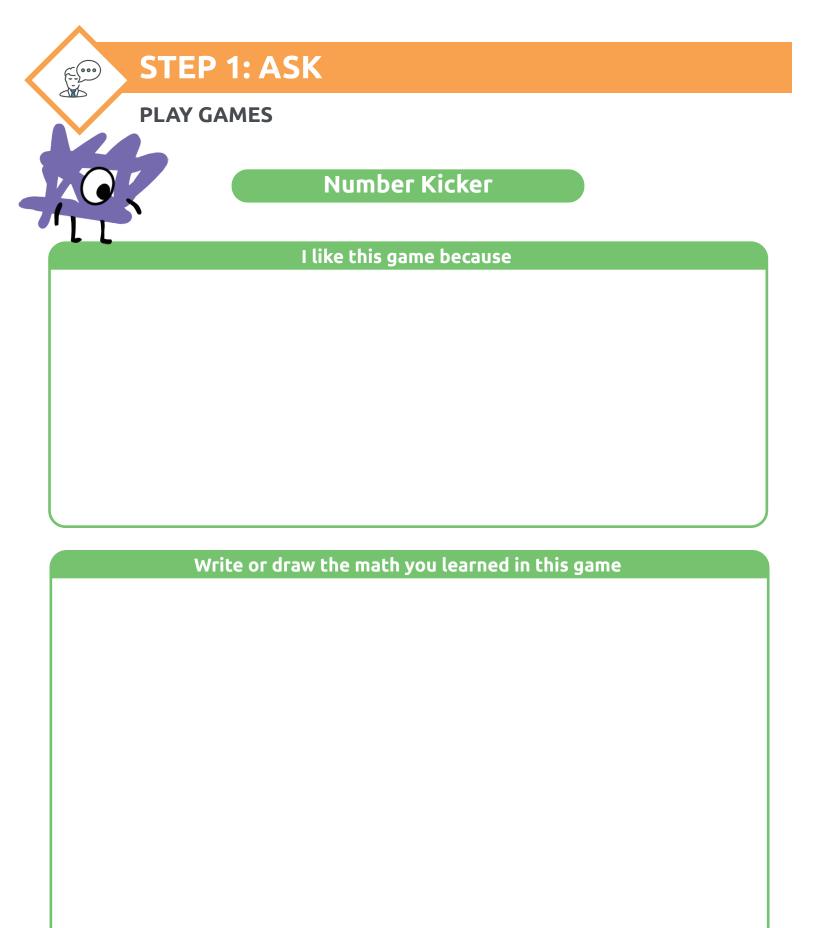


### Reflecting on my math journey...



What did I learn?

## What do I still wonder?



### **STEP 1: ASK PLAY GAMES** Make Ten Concentration I like this game because Write or draw the math you learned in this game



## **STEP 2: INVESTIGATE**

**GAMES** 

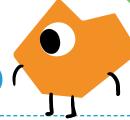
## My Favorite Game

,	
My favorite game (Put an X next to your favo	orite game)
Number Kicker	Make Ten Concentration
\	
This game is my favorite because	
This game is my favorite because	
T. A. Carlotte and the control of th	

## **STEP 2: INVESTIGATE**









#### **MATH CONCEPT**

## Math Idea



Write or draw to tell about it

3 I think the math concept is

\_\_\_\_ easy

\_\_\_ hard

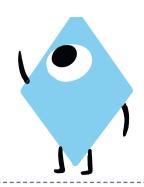






## My Ideas

What ideas do you have for your game? Write or draw them below.





**GAME PLAN** 



#### Our Game

The name of the game we are making is

#### We chose this game because



#### **GAME RULES**

## **Rules**

Tell how you play Tic Tac Toe

#### My new rule is

My new rule made the game (circle one)











## **STEP 4: PLAN**

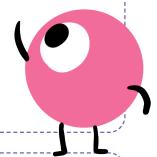
#### **MAKING A DESIGN**

## Blueprint

**1** Game name

2 Number of players

3 Things we need to build our game



4 People in my group

## **STEP 4: PLAN**



#### **MAKING A DESIGN**

## Game Rules

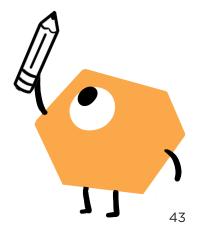
Tell how you play this game
You win our game by

3 Give an example of the math in your game



## **STEP 4: PLAN**

#### DRAW A PICTURE OF YOUR GAME BOARD



## **STEP 5: CREATE**



#### **WORKING TOGETHER**

## My Job

I will help build the game by			

## Things I need to do my job



## **STEP 6: TEST**

#### **CHECKING THE GAME**

## WHAT DO OTHERS THINK

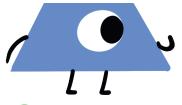
ere your game rul	es easy to understand?	
yes	no	
cplain why		
Aptulii Wily		

3 One thing I want to change is

## **STEP 7: IMPROVE**



#### **REFLECTING ON THE GAME**



#### **REVIEW GAME**

For Game Designers

1 will improve my game by

2 This makes my game better because

3 Something I learned testing my game is



## **PRESENTING YOUR GAME**

DRAW A POSTER ABOUT YOUR GAME.



# DESIGN PROCESS



ST Math® Summer **Immersion provides** students in grades K-5 with an opportunity to accelerate math learning during the summer months. Students experience engaging and fun puzzles, lessons, and projects that focus on grade-level development of content knowledge, reasoning skills, and growth mindset.

