

Variables

LEt's Play a Classic Game of Tic Tac Toe

- As you walked into the classroom, you grabbed a folded piece of paper.
- Unfold it to discover who your Round I partner is.
- In pairs, play tic tac toe using a P5-JS gameboard provided.
- Round I ends when your teacher calls "Time!"
- Round 2 begins shortly after.

Tic Tac Toe Game board

Jamboard

Round 1

Brian and Benson



Round 1

Steve and Liam



Tic - Tac -Toe

- 1. What went well?
- 2. What was challenging?
- 3. What suggestions can enhance our game experience?

Essential Questions

How is storing information useful to programs we play/create?

How is storing information useful in everyday life?

Learning Objectives:

1

I can identify a variable as a placeholder

2

I can explain that
a variable has a
name and a value

3

I can recognize
that the value of a
variable can be
changed



10



something that can change (vary)





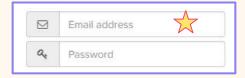
variable

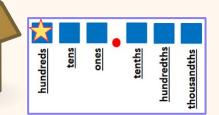
It is a container for storing a value

placeholder

a.K.a.

A substitute for something that is unknown







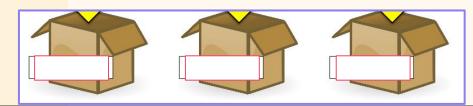


variableName

A variable needs a name to organize the information

placeholder

What is Ms. Best's plan for the boxes below?





Once a <u>variable</u> is created, it is stored in the computer's memory



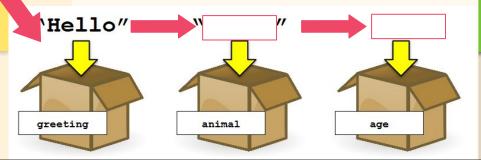




Represents the

name

of the variable





In Review...

Variable (placeholder)

Variable name:

Value:

Let's Explore

Our Task:

Our class is creating avatars for the Metaverse world.

If you could create a world or be put into a Metaworld (like Ryan Renold in the movie Free Guy),...

- Who would you be? Name?
- What is your purpose?
- What career would you have?
- What could you do?
- Would you have any pets? How many?

Using your P5-JS created avatars, we have a choice to create/select your avatar in this video game using variables.

Brainstorm with Me!

Our List

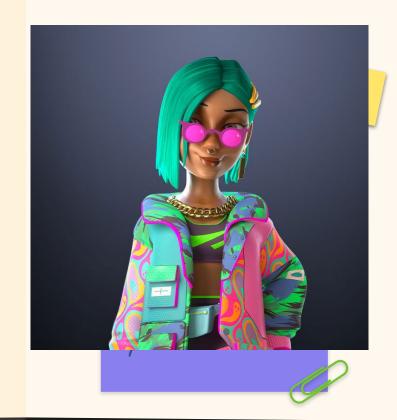
Variable Name Value

-Name Goldstar

-Career Publist

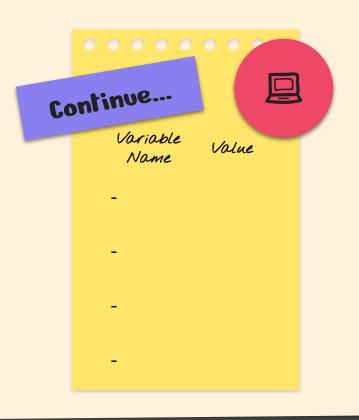
-Cool Ability Tutor

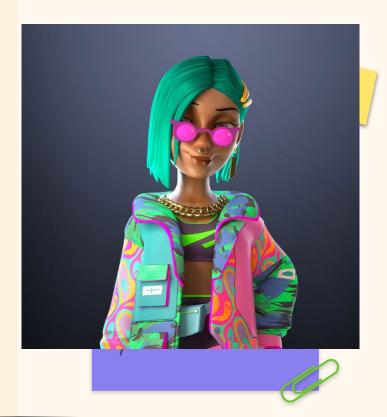




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Brainstorm with Me!





Independent Activities

Hot!

Play the Game of Life-MASH Game



Hotter!!

Create your avatar's features



Hottest!!!

Convert these <u>scenarios</u> into variables and values



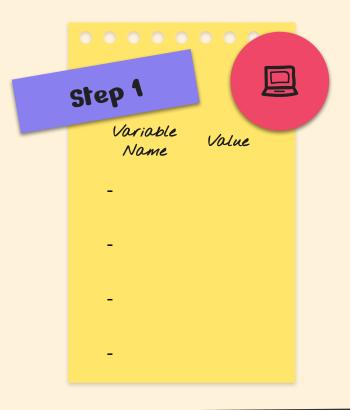
Partner Up!

Use your knowledge of variables, variable names and values to complete one activity.

If you've completed one, select another:)

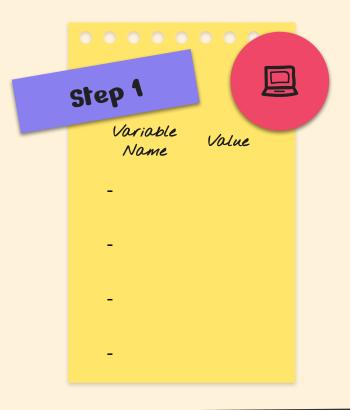
l m finished, Click Me!

Avatar?



Avatar Pic Here

Avatar?



Avatar Pic Here



How can make our Tic-Tac-Toe class game more enhanced?



Pick One!

