

DEFINITION ROAD MAP



Examples

Non-examples

Draw It

Definition

Math
Engagement

We will use this model to guide our thinking to form a shared definition.

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Learn more about the Adapted Measure of Math Engagement at <https://www.childtrends.org/project/adapted-measure-of-math-engagement>

Examples of Math Engagement

What are examples of an engaged Black and Latino student?

How are these examples specific to math?

A student answering a math teacher's question about how to solve a problem.

Engaged in math conversation (other students or teachers) -teacher

Completing work (taking notes, work time, homework time) -teacher

Working actively in a group -teacher

Helping others -teacher

Actively listening/thinking -teacher

Asking questions/for help -teacher

1. Helping each other in class -students

2. Answering questions -students

3. **Listening** -students

4. Participating in class -students

5. **Fun activities** -students

6. **Feeling of belonging** -students

Non-Examples of Math Engagement

What are examples of Disengaged Black and Latino students?

How are these specific to math?

A student playing video games on their computer during class.

Sleeping
-teacher

Off task verbal and non-verbal interactions
-teacher

Not having materials/ refusing to go get them
-teacher

1. Not listening
-students

2. Sleeping
-students

Chromebook/phone
-teacher

Just sitting
-teacher

3. Not doing the work
-students

4. Doing your makeup
-students

Drama
-teacher

Defiance
-teacher

5. Being distracting
-students

6. Using the bathroom
-students

Trying to leave class
-teacher

Wandering
-teacher

7. Getting bored
-students

Draw Math Engagement

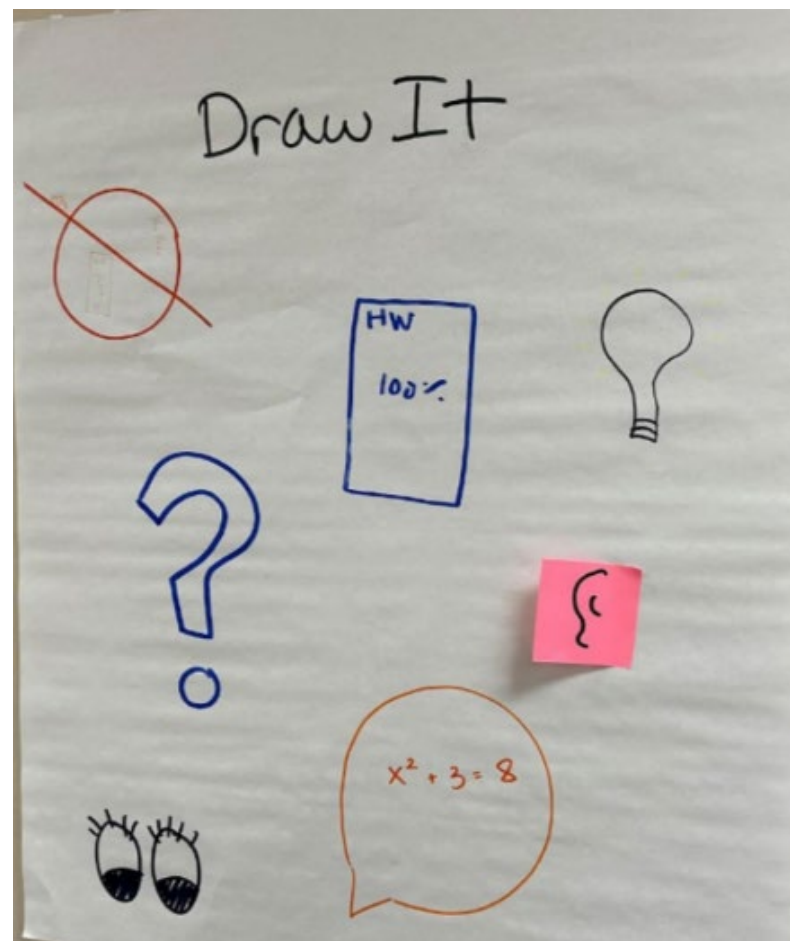
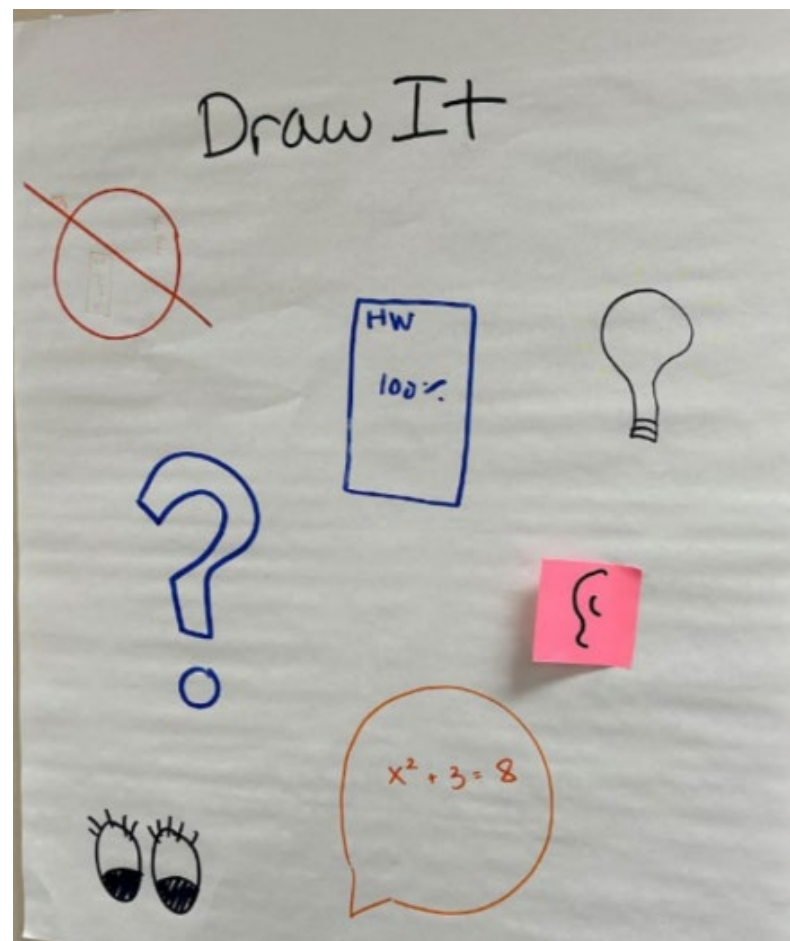
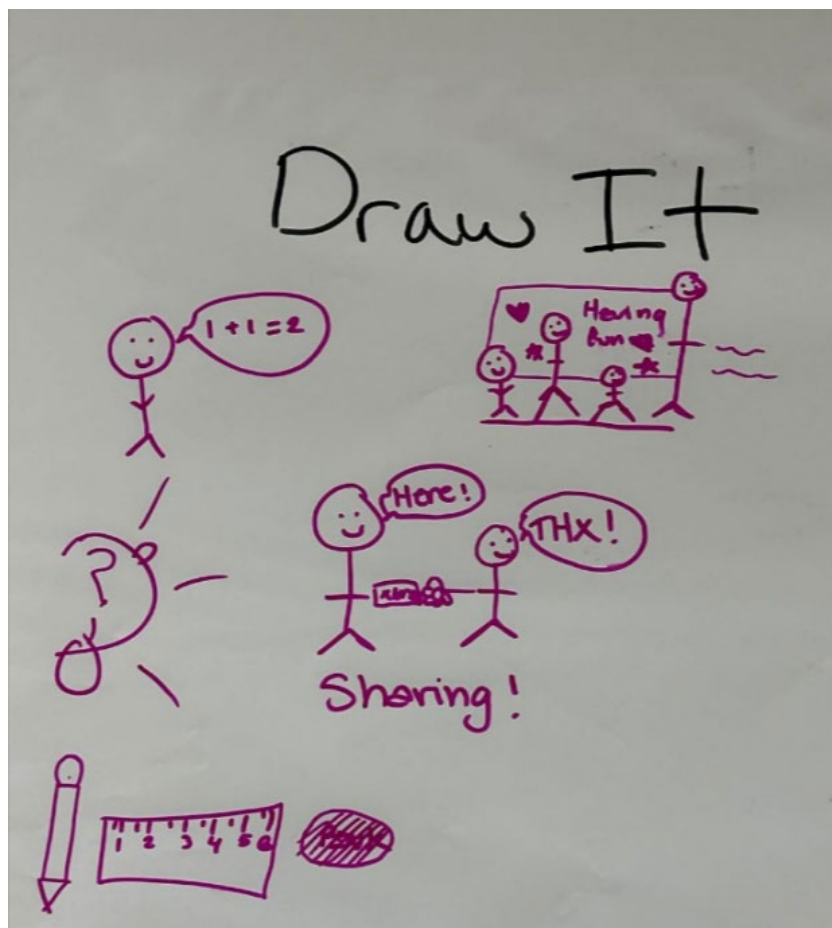
What does engagement look like for Black and Latino students?

How are these specific to math?



Students on the left

Teachers on the right



Shared Definitions of Math Engagement

How would you define engagement for Black and Latino students?

How is this definition specific to math?

Math engagement is defined as a student answering questions in class.

Maybe the definition doesn't change for Black/Latino students but the way we go about getting them to engage changes
-teacher

Getting students to care
-teacher

Having kind teachers
-students

Feeling of belonging to help others in class
-students

Being present
-teacher

Actively listening, thinking, conversing with other students or teacher
-teacher

Being willing to learn
-students

We would describe it as students participating in class
-students

Q: Would you be able to draft a definition of math engagement based on their responses that we can present to them in the September meeting?

Refined pass:

“Math engagement is an active and joyful form of learning that can be demonstrated by listening, participating, being present, being willing to learn, collaborating with teachers and students, and feeling a sense of belonging.”