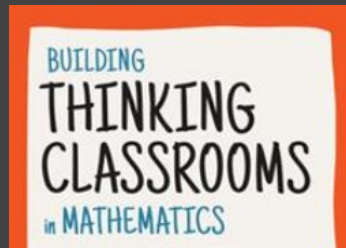# Meaningful Notes

Adapted from the book *Building Thinking Classrooms in Mathematics* and the work of Peter Liljedahl

Meaningful Notes

- Is the act of making notes (not taking notes)
- Helps make your learning more permanent
- Organizes your thoughts
- Is a record of your learning
- Transfers collective learning to individual learning and formal understanding

Source: https://buildingthinkingclassrooms.com/
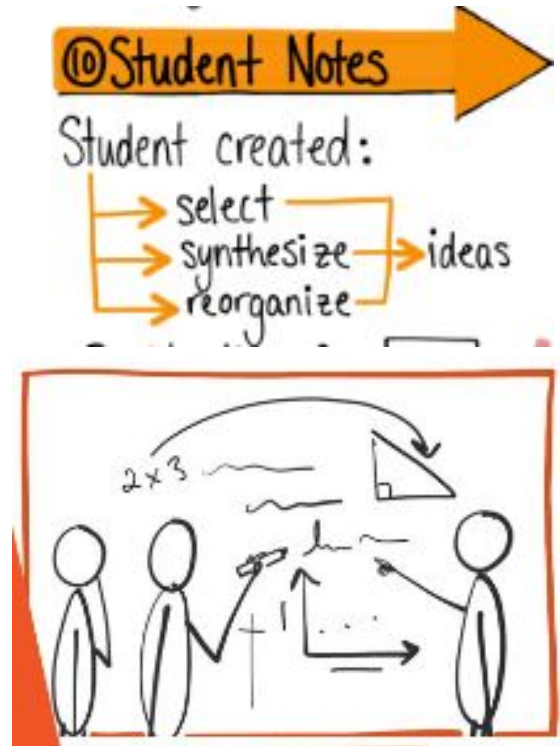
How to do it:

- You will work at the white boards in your groups
- Your teacher will give you examples for **Quadrant A** and **Quadrant B**
- You can each have a marker (not limited to one)

Source: Livestream #3 with Peter Liljedahl (facebook)

How to do it:

- Divide your board into 4 parts
- **Quadrant A**: complete the example
- **Quadrant B**: work the example
- **Quadrant C**: work your own example
- **Quadrant D**: things to remember, or notes to your future forgetful self

Source: Livestream #3 with Peter Liljedahl (facebook)

Quadrant A:

Complete these examples on variables:

- Given the data or variable, fill in the variable name or an appropriate value
  - number = _____
  - _____ = "hello"
  - is_raining =

Complete these examples on data conversion and branching:

- Convert the data types
  - Change number to a string

  - Change "12" to an integer

- Give an example of selection:
  - pressed = buttons.was_____
  - if _____

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Quadrant B:

Write code in Python that will

accomplish these tasks.

- Define a variable that stores your name
- Define a variable that stores your age
- Convert the age to a string
- Define a variable that stores the Boolean value if button B was pressed
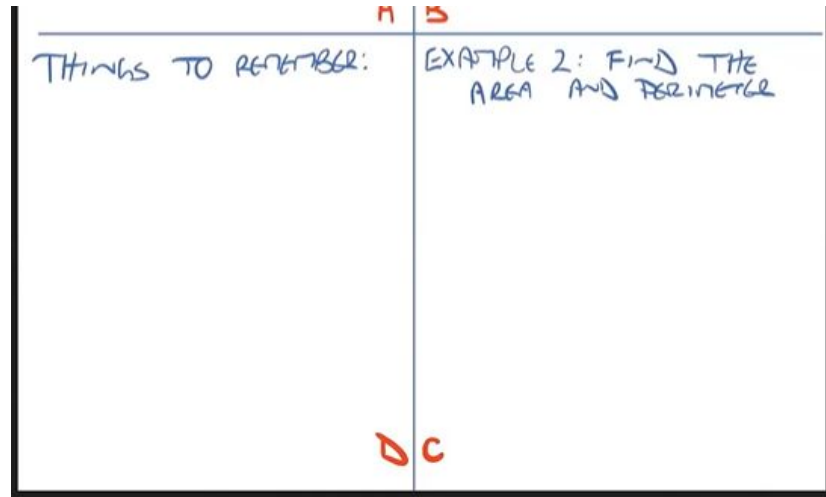- Use the variable in a selection

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Quadrant C and D:

Quadrant D:

things to remember, or notes to your future forgetful self

Quadrant C:

work your own example of variables, conversion and selection

Source: Livestream #3 with Peter Liljedahl (facebook)

FIRIA LABS