

# Math Writing

## Launching Brief

### Foundation Lessons

Teach before introducing **Math Writing**:

- Math writing materials (location, set-up, and clean up expectations)
- Math problem solving. Use modeling and think aloud to demonstrate math writing.
- Introduce a math writing activity or two and post on the Math Daily 3 board under **Math Writing**.
- What to do when you come to a word you don't know how to spell

**Proceed to launching lessons only after foundation lessons are secure.**

The number of days this takes may vary, based on age of students, variety of materials, and prior student experience.

### Urgency

- Helps us become better at math.
- It is fun.

### Sample I-Chart

Math Writing <i>Independent</i>	
Students	Teacher
Work on math the whole time Stay in one spot Materials and voice are quiet Get started right away Build Math stamina Ignore distractions	Work with students

### Launching Math by Myself

#### Day 1 of Launch

- Introduce **Math Writing**. Create I-chart (see sample above).
- Follow 10 Steps to Independence.
  - Students will choose **Math Writing** activity from math board (taught in foundation lessons) when building stamina.
- Graph achieved minutes of class stamina.
- Continue with **Math by Myself** launch. Students check in with a **Math by Myself** game/activity and continue building stamina. Review I-chart as needed.
- *Optional: Review 10 Steps and build stamina again if time allows.*

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## Launching Brief

### Launching Lessons

#### Day 2 of Launch

- Review **Math Writing** I-chart. Revise as needed.
- Follow 10 Steps to Independence.
  - Students will choose **Math Writing** activity from math board (taught in foundation lessons) when building stamina.
- Graph achieved minutes of class stamina.
- Teacher selects a student to share his/her **Math Writing** with the class. Teacher models questions and comments that draw out the student's thinking.
- *Optional: Review 10 Steps and build stamina again if time allows.*
- Continue with **Math by Myself** launch. Students check in with a **Math by Myself** game/activity and continue building stamina. Review I-chart as needed.

#### Day 3 of Launch

- Introduce new **Math Writing** activity. Do not post on math board.
- Review **Math Writing** I-chart. (If necessary, practice all 10 Steps again.)
  - Students will choose a **Math Writing** activity from math board (taught in foundation lessons) when building stamina. (Continue to place students around the room, or if they are ready, allow them to choose where they will work.)
- Graph achieved minutes of class stamina.
- Teacher selects a student to share his/her **Math Writing** with the class. Teacher models questions and comments that draw out the student's thinking.
- Continue with **Math by Myself** launch. Students check in with a **Math by Myself** game/activity and continue building stamina. Review I-chart as needed.

#### Day 4 of Launch

- Review the activity introduced on Day 3 and post it on the math board under **Math Writing**.
- Review **Math Writing** I-chart.
  - Students will choose a **Math Writing** activity from math board (taught in foundation lessons) when building stamina.
- Graph achieved minutes of class stamina.
- Teacher selects a student to share his/her **Math Writing** with the class. Teacher models questions and comments that draw out the student's thinking.
- Continue with **Math by Myself** launch. Students check in with a **Math by Myself** game/activity and continue building stamina. Review I-chart as needed.

#### Day 5 of Launch

- Review **Math Writing** I-chart.
- As necessary, review and refine expectations for any previously taught **Math Writing** activities.
  - Students will choose a **Math Writing** activity from math board (taught in foundation lessons) when building stamina.
- Graph achieved minutes of class stamina.
- Teacher selects a student to share his/her **Math Writing** with the class. Teacher models questions and comments that draw out the student's thinking.
- Continue with **Math by Myself** launch. Students check in with a **Math by Myself** game/activity and continue building stamina. Review I-chart as needed.

Introduce choice between **Math by Myself** and **Math Writing** once **Math Writing** stamina is achieved.

