

**Team Members:** Erik Eakins, Mike Watson, Amber Womack

**Title:** Tenjin Math

**Description:** An interactive resource of mathematical flashcards/workbooks for children or parents that focuses on repetitive practice of basic math skills.

**Platform/Environment:** Computer running Windows/Linux/macOS with Java 8+.

Programming using Eclipse and IntelliJ. Using GitHub as our repository:

<https://github.com/watsonmf/Tenjin-Math>

**Programming language:**

Language	Erik Eakins	Mike Watson	Amber Womack
Java	Beginner	Intermediate	Beginner
JavaFX	Beginner	Beginner	Beginner

**Functionality:**

- Individual user profiles
- Maintain login names and user progress
- Uses the Kumon approach, which incrementally increases the difficulty as the user progresses
- Covered topics: Addition, Subtraction, Multiplication and Division for all real numbers
- Intuitive user interface

**[OPTIONAL] Stretch Functionality:**

- Add user avatar for personalization
- Add pattern matching lessons for Pre-K children
- Add Web interface for Chromebook compatibility
- Port to Android
- Port to iOS
- Add Common Core option