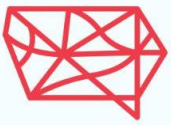


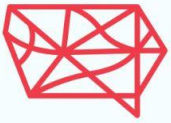
# iOS Apps for Students Who Use Braille

## Apps from the American Printing House for the Blind (APH)

- **Math Flash™ (Action for Google Home® / Google Assistant)**
  - Based on APH's popular Math Flash™ software that combines math flash cards with fun audio feedback and animated characters!
  - Allows students to practice math facts on compatible devices running Alexa.
  - Demonstration video <https://www.youtube.com/watch?v=WbBMwl13IKM>
  - How to use:
    - Open Alexa
    - Say "Hey Google" , then say "talk to math flash"
    - Say "start" to begin game
    - Say "settings" to change settings such as which operations
    - Say "quit" to end the game
    - It reads a problem and you answer
    - It says whether you are correct or not
    - After 3 incorrect answers, it gives the correct answer and a new problem
- **Math Robot (for iOS devices)**
  - Designed for use by students who are blind, visually impaired, and sighted students alike, making it ideal for use by an entire class.
  - A snarky "know-it-all" math robot character makes math problems fun!
  - You can set the range of numbers, the mathematical operations, the number of tries, and more.
  - Information video available at <https://www.youtube.com/watch?v=M3gd8n1nyPw>
- **Free! Slapstack Math™ (for iOS devices)**
  - Slapstack Math™ is an action and memory game that uses math flash cards instead of playing cards.



- The goal is to collect the most points by pulling in the most cards.
- Two to eight players can play on the iPad®, or two to four players on the iPhone®.
- Informational video at <https://youtu.be/IzFWQTbElaQ>.
- Demonstration video at <https://www.youtube.com/watch?v=OfDXUHJELh8>
- Variations include:
  - Addition, subtraction, multiplication, and division facts with a single operation only
  - Addition and Subtraction – a mixture of problems from these two operations.
  - Multiplication and Division – a mixture of problems from these two operations.
  - All Four Operations – a mixture of problems from all of the operations.
- **[Free! Draw2Measure™ Protractor](#) (for iOS devices)**
  - Allows students to measure angles by tracing the sides rather than reading measurements as with a traditional protractor.
  - Informational videos: [Video 1](#) and [Video 2](#)
  - Reports angle measurements in both degrees and radians
  - Includes detailed instructions and a link to a demonstration video
- **[Practice2Master Fractions™](#) (for iOS devices)**
  - Designed to help students become proficient in fraction calculations.
  - It supplements teachers' instruction by providing students with an unlimited number of problems to practice.
  - It allows students to do the following:
    - perform practice in fraction addition, subtraction, multiplication, and division and get assistance from the app whenever needed
    - take drills on fraction calculations and save drill reports for future reference
    - receive lists of calculation problems from teachers or parents via email and send back drill reports
    - use machine-generated problems, preloaded problems, and teacher-created problems for practice and drills



- customize settings to make machine-generated problems suitable for students' level of study.
- demonstration video

[www.aph.org/media/Practice2Master-Fractions-2018-4.mp4](http://www.aph.org/media/Practice2Master-Fractions-2018-4.mp4)

- **Free AnimalWatch Vi Suite**

- Helps students with visual impairments (VI) improve middle school math skills.
- Students learn about endangered/invasive species as they solve word problems targeting unit conversion, percentages, fractions, and more.
- App includes 24 units, each with 6 word problems.
- Information available at <https://awvis.aphtech.org/>.
- Braille Files can be downloaded from [Animal Watch Braille Files](#) or ordered from the Vision Resource Center.