

Tab 1

Math Apps, Games, and Alexa Skills

Apps

- [Know Abacus](#) (Lookkid Software)
- [Practice 2 Master Abacus](#) (APH)
- [UAbacus](#) (University of Arizona)
- [Math Flash \(Action for Google Home® / Google Assistant\)](#) (APH)
 - Demonstration video <https://www.youtube.com/watch?v=WbBMwl13IKM>
- [Math Robot](#) (APH)
- [Slapstack Math](#) (APH)
- [Draw2Measure Protractor](#) (APH)
- [Practice2Master Fractions](#) (APH)
- [AnimalWatch Vi Suite](#) (APH)

Early Childhood

- [10 Frame Fill](#) (Classroom Focused Software)
- [Toddler Counting](#) (iTot Apps)
- [Counting Board](#) (EverQuiz)
- [Amazing Coin\(USD\) Learning](#) (JP Game)
- [Amazing Coin \(USD\) Dollar](#) (JP Game)
- [Counting Money](#) (King's Apps)
- [Count Money!](#) (Horizon Business)
- [Kids Clock Challenge Lite - Flash Cards Speed Quiz for Kids](#) (FunVid Apps)
- [Counting Bills & Coins](#) (K12)
- [Counting Coins](#) (K12)
- [K12 Money](#) (K12)
- [Kindergarten Learning Games 3+](#) (StudyPad)

Flash Cards

- [My Math Flash Cards App](#) (Power Math Apps)
- [FlashToPass - Math Flash Cards](#) (Spybot Technologies)
- [Math Flash Cards !! +](#) (Horizon Business)

Geometry & Algebra

- [Geoboard](#) (The Math Learning Center)
- [Graspable Math White Board](#)

Money Readers

- [Cash Reader: Bill Identifier](#) (Hayaku s.r.o.)
- [EyeNote](#) (Bureau of Engraving and Printing)

Productivity and Writing Math

- [Notepad by mathies](#) (OAME)
- [ModMath](#)
- [MathPad](#) (ZurApps Research)
- [KiwiWrite](#)
- [Carbo](#)
- [iPad Files App](#)

Accessible Games

- Board Games:
 - [Tips to Adapt Games \(Paths to Literacy\)](#)
 - [Enablingdevices.com](#)
 - [Tactile Board Games](#)
 - [Maxiaids Games](#)
 - [64oz Games Store](#)
 - [Battleship](#)
 - [Proof! \(adapted rules\)](#)
 - [Knock Off The Clock](#)
 - [Counting On: The Card Game](#)
 - [Roll & Pop](#)
 - [Make Ten](#)
- Accessible Dice
 - [Dice Dice](#) (Lukas Lubbe) Easy-to-see dice rolling app, shake device to roll
 - [Natural 20](#) (Jonathan Lord) VoiceOver supported dice rolling app
 - [Virtual Dice](#) (macy) Roll up to three 6-sided dice with this Alexa skill
 - Ask your voice assistant (Siri, etc.) "Roll a die/two dice for me!"
 - [Accessible Dice For Low Vision](#) (Article from Veronica With Four Eyes)
- Abacus Games:
 - **Roll, Set, Expand!**
 - Objective: Teach place value and basic addition/subtraction.
 - Materials: Abacus, tactile dice.
 - How to Play:
 - Each player rolls two tactile dice. (one at a time)

- Use the first die to set the number in the tens place on the abacus.
 - Use the second die to set the number in the ones place.
 - Compare numbers; the player with the highest number wins the round.
 - Extension: Add or subtract numbers rolled from round to round to practice operations.
- **Number Relay**
 - Objective: Practice quick number setting and clearing on the abacus.
 - How to Play:
 - Call out a number (e.g., "345").
 - Students race to set that number on their abacus as quickly as possible.
 - The first student to complete it correctly earns a point.
- **Mystery Number Game**
 - Objective: Strengthen understanding of place value and estimation.
 - How to Play:
 - One player sets a number on their abacus without revealing it.
 - Other players ask yes/no questions (e.g., "Is it greater than 50?") to guess the number.
 - The player who guesses correctly gets to set the next mystery number.
- **Math Bingo with an Abacus**
 - Objective: Reinforce arithmetic skills through a fun group activity.
 - Materials: Bingo cards with sums or products instead of numbers, abacuses for each player.
 - How to Play:
 - Call out math problems (e.g., " $7 + 8$ ").
 - Players solve them on their abacus and mark their Bingo card if they have the answer.
- **Build a Ladder**
 - Objective: Teach sequencing and numerical order.
 - How to Play:
 - Players take turns setting numbers in ascending order on their abacus (e.g., start with "10," then "20," etc.).

- If a player makes an error, they are out for that round.
- **Abacus Word Problems Challenge**
 - Objective: Apply real-world problem-solving skills using an abacus.
 - How to Play:
 - Present word problems (e.g., "A store sold 45 apples in the morning and 32 in the afternoon; how many apples were sold total?").
 - Players solve these problems using their abacuses.
- **Race to Zero (Subtraction Game)**
 - Objective: Practice subtraction skills while working toward zero.
 - How to Play:
 - Start with a number (e.g., "30") set on the abacus.
 - Players take turns rolling a tactile die and subtracting that value until they reach zero.
 - The player who lands exactly on zero wins.

Alexa Math Skills

- [Aliens vs. Math](#) (Whoa Labs)
 - Defend our planet against alien invaders using your addition, subtraction, multiplication, and division math skills.
- [Smart Math](#) (Will Yeo)
 - Multiple levels of addition, subtraction, multiplication or division. You'll have 40 seconds to solve as many problems as you can.
- [Amazon Math](#) (Amazon)
 - K through 5th, addition, multiplication, comparing, rounding, and more.