

# How to Use



# At Home!



A parent's guide to bringing TumbleMath home!

Use TumbleMath to "hook" your children on math, and make connections across the different skills with these fun and educational math books!

## Why TumbleMath?

A math picture book is a perfect way to help bring a math concept to life in an easy and accessible way.

You can use our picture books to support classroom learning and help with homework!

## Talk to your Teacher!

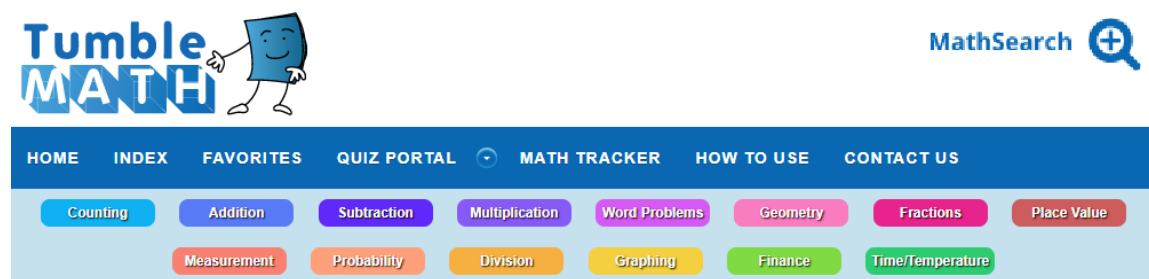
Your child's teacher will have valuable insight into how your child is doing in math. Talk to them about which areas or standards you can focus on for improvement and which areas you could expand on.

## Math picture books can be categorized in three ways:

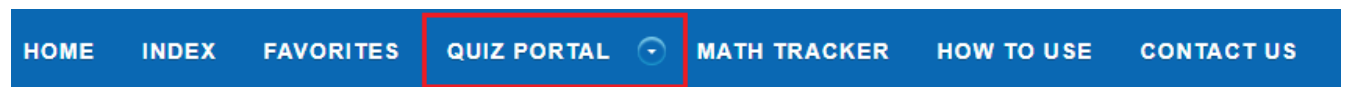
1. **Fundamental** – Fundamental math picture books are based solely around the concept.
2. **Embedded** – Embedded math picture books have a stand-alone plot which incorporates or embeds the math concept within the story.
3. **Connected** – Connected math picture books do not feature specific math concepts. Rather, teachers and parents can build connections from a math concept to the book, using discussions or brainstorming sessions.

## Choosing your Math Picture Book:

Start exploring the collection by clicking through the categories to familiarize yourself with the available titles. You'll find lesson plans, and quizzes for follow-up testing.



If you're working on a specific math standard, start in the Quiz Portal section. There, you can easily identify and select the standard you want to address. This section also includes all the materials we've collected for that standard.



## Getting Started with Standards!

You can begin your browsing the site by clicking on '**Quiz Portal**' from the navigation bar, using the '**MathSearch**' feature, or by selecting one of our 14 math categories.

- When you select a math standard through the Quiz Portal, you'll see all applicable math content for that standard: quizzes, lesson plans, and books!
- After selecting a book, TumbleMath will show you the book's details such as: available Quizzes, Lesson Plans, Keywords, Math Skill, Math Standard and Grade Level.
- Finally, you can read the book's description or summary to learn more about its topics, and to determine how the book will fit into your lesson.

## Read Online:

- Click the "Read Online" button to read the book.
- It can be super helpful to pre-read a book before your child, and with TumbleMath the books are always at your fingertips (or mouse-clicks!)
- Yes! TumbleMath comes with unlimited usage, so you don't have to worry about checkouts, downloads, or wait lists!

## Lesson Plans:

- Each TumbleMath book is paired with lesson plans aligned with the appropriate math standards and grade level.
- After selecting a book, read through its lesson plan to see how you can use it to help your child learn the concept. Be sure to check out the included worksheets!
- Lesson plans were designed with classrooms in mind, but as a parent, you can use them too! Use them to help you child keep up with the class or even study further ahead.
- TumbleMath lesson plans are written by qualified teachers from the United States and Canada!

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### ***No Child Left Behind!***

*TumbleMath is a highly accessible database, featuring a variety of books at different reading levels, and math skill levels!*

*The books even come in a variety of formats: the popular TumbleBook format with animation, narration, and highlighted text, or non-animated books with audio narration. We also have some student favorites: Graphic Novels!*

***This means that you can tailor your child's experience with different books – on similar subjects – for a multi-faceted lesson!***

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## Reading the Book:

### Always set a purpose for your reading!

- Challenge your child to look for vocabulary words while reading the book (either independently or together).
- Encourage them to look for examples of the math concept in the story.
- Pause the story as needed to discuss concepts and how they work in “real life.”

## After Reading:

### Discuss!

- Spend some time with your child discussing what they learned from the story.
- Encourage them to refer to specific elements of the story or the text to support their thinking.

### Experiment!

- Bring out the modelling clay, toy cars, beads, or other fun objects!
- Create scenarios for your child to work through with the objects.
- Have your child create their own mathematical scenario with the objects and explain their methodology.

### Quiz It!

- Have your child take the book’s quiz to see how well they understand the concept!
- Discuss the answers they got correct: Have them explain their answer.
- Discuss the answers they got wrong: Why did they choose that answer? Do they know where they went wrong?

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***Keep the HOOK going!***

*If the book is about counting with ladybugs, use ladybugs cut-outs or black and red chips to count. If the book is about fruit or leaves, go on a nature walk!*

*Or, connect math class to art class, and make your own!*

***Connections, connections, connections!***

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## Independent Practice:

- Students will need the opportunity to work with the concept independently. This is a great time to use one of the worksheets from your guided TumbleMath lesson plans.
- Your child’s teacher may also have worksheets available.
- Give your child some time to experiment with the concept and complete their homework on their own.
- Give them access to fun objects like beads, so that visual learners can continue experimenting during independent practice time.
- You can even try challenging your child by encouraging them to work with larger numbers, more complex objects, or by explaining a concept to younger sibling. It’s a great way to encourage a concept to “stick”.

## Quiz Portal:

- The Quiz Portal offers a growing selection of state standards from which to choose!
- It allows students to find quizzes and books related to specific concepts.
- The quizzes are broken down by math concept and the results are tracked to monitor a student’s progress.
- Quizzes are skills-based, and while the associated books will help understanding of the concept, the book is not required reading to get a good quiz score.

## Math Tracker:

- TumbleMath’s Math Tracker feature provides you with an in-depth view of your child’s reading activity, and quiz activity.
- MathTracker helps you monitor your child’s progress and identify where they may need additional support or instruction.
- Your student’s teacher would be the one to set it up so please reach out to them for the access information if they haven’t already sent it home. Or, email us ([info@tumblebook.com](mailto:info@tumblebook.com)).

## Extra Credit Work:

- Have your child make their own “TumbleMath” book!
- Encourage them to illustrate the concept, and to write a story to go along with it!
- Rereading the book will refresh students’ understanding of the concept.
- You can even send the book to school for their teachers and friends to read! Challenge students to “teach” their friends about the concept.

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*How do you use **TumbleMath** at home?*

*Let us know, and your ideas could be featured in the next User Guide!*

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