

# Summer Learning Recommendations

## Incoming Kinder - Math

The following websites can be used to practice Kindergarten math skills:

### Resources:

<https://www.khanacademy.org/math/cc-kindergarten-math>

<https://www.splashlearn.com/math-games-for-kindergarteners>

### Free Games:

<https://www.mathgames.com/kindergarten>

[https://www.mathplayground.com/grade\\_1\\_games.html](https://www.mathplayground.com/grade_1_games.html)

[https://www.mathplayground.com/kindergarten\\_games.html](https://www.mathplayground.com/kindergarten_games.html)

### Free Math Books:

<https://www.wilbooks.com/kindergarten-math>

### Skills to Review

- Number recognition and counting (1-20)

- Write numbers 1-20

- Identify shapes- solids (3D) and flat (2D)

-Identifies basic colors (red, pink, orange, yellow, green, blue, purple, white, black, brown, gray)



# Summer Learning Recommendations

## Rising 1st Grade - Math

The following resources could be used to enrich students' learning during the summer.

[First Grade Math Worksheets | K5 Learning](#)

[1st Grade Math | Khan Academy](#)

[Grade 1 - Practice with Math Games](#)

[First Grade Math - 1st Grade Fun Math Games and Worksheets \(splashlearn.com\)](#)

[Prodigy Math](#)

Clever resources include:

-GreatMinds

-ImagineMath

-Go math

-BrainPopJr. Math topics

# Summer Learning Recommendations

## Rising 2nd Grade - Math

The summer math activities will enable your child to review math concepts and reinforce skills. Just a few minutes each day spent “thinking and talking math” will help reinforce the math that has been learned and begin to bridge the foundation for extending to the concepts that will be developed next year. The goal is for your child to have fun thinking and working collaboratively to communicate mathematical ideas. While your child is working, ask him/her how the solution was found and why a particular strategy was chosen. These activities/suggestions are optional; we don’t want the students to feel like they are back in school 😊

### Math Books to Read:

Alexander, Who Used to be Rich Last Sunday by Judith Viorst

100 Days of School by Trudy Harris

The Button Box by Margarete S. Reid

The Doorbell Rang by Pat Hutchins

98, 99...Ready or Not, Here I Come! by Teddy Slater

Super Sand Castle Saturday by Stuart Murphy

### Websites:

<http://illuminations.nctm.org/Games-Puzzles.aspx>

<http://www.funbrain.com/>

<http://www.aplusmath.com/>

<http://pbskids.org/cyberchase/math-games/>

<http://www.gregtangmath.com/>

<http://www.coolmath4kids.com/>

<http://bedtimemath.org>

- [http://www.playkidsgames.com./](http://www.playkidsgames.com/)

<http://www.coolmath.com./> <http://www.figurethis.org./index.html>

<http://resources.oswego.org/games/mathmagician/cathymath.html>

<http://xtramath.org/>

### Games To Play: (You will need a deck of cards)

#### 1. Compare

Remove the face cards from a deck of cards. Remember an Ace is the same as 1. Pass out all cards in the deck among all of the players. Each player flips over two cards at the same time and finds the sum. The one with the larger sum takes the cards. If the sums are the same, turn over 2 more cards. The player with the largest sum keeps all four cards.

## 2. Tens Go Fish

Remove the face cards from a deck of cards. Deal 5 cards to each player. Each player looks for cards that make 10, and they draw new cards from the deck to replace them. Players take turns asking each other for a card that will make 10 with a card from their hand. A player's turn is over when no more pairs can be made. The game is over when there are no more cards. Both players record their combinations of 10.

## 3. Close to 20

Remove the face cards from a deck of cards. Deal 3 cards to each player. Which two cards brings you closest to 10? Which player is closest to 10? Example: You turn over the cards 5, 4, 3 and your opponent turns over an Ace, 8, and 3. You can make 9 (5 and 4) and your opponent can make 9 (Ace and 8) or 11 (8 and 3). It's a tie since you are both 1 away from 10!

Other games to play: Checkers, Memory, jigsaw puzzles, Parcheesi, Fish, Crazy Eights, Connect Four, Legos, K' Nex.

# Summer Learning Recommendations

## Rising 3rd Grade - Math

1. Practice addition and subtraction facts to 20 facts per minute.  
Multiplication facts through 9's. Make it fun!  
→ Try free "Math Speed Drill" phone app  
→ Use flash cards  
→ Use dice or playing cards
2. Practice mental math when grocery shopping by estimating the total or measuring the produce etc.
3. Use fractions and measurement tools when cooking
4. Practice reading numbers with 3 to 6 digits.
5. Use Imagine Math summer pathway through Clever if you have your child's HISD login and password.
6. Count collections of coins and bills, make change.
7. Practice telling time on an analog watch or clock to the minute.

# Summer Learning Recommendations

## Rising 4th Grade - Math

1. Practice 2 minutes daily: multiplication facts through 12. Practice 6's, 7's, 8's, and 9's. Build your speed- 3 second recall!!

a. x6: <https://numberock.com/lessons/multiples-of-6-2/>

b. x7: <https://numberock.com/lessons/multiples-of-7-dance-song/>

c. x8: <https://numberock.com/lessons/multiples-of-8-dance-song/>

d. Try making up your own song to help you remember your facts! You can change the lyrics to a song you already know.

2. Imagine Math - TX Summer Pathway: Entering Gr4

3. Long Division (no remainders)

a. Khan Academy:

<https://www.khanacademy.org/math/arithmetric/arith-review-multiply-divide/arith-review-multi-digit-div/v/long-division-without-remainder>

b. Numberock: <https://www.youtube.com/watch?v=VvQelzRQe7k>

c. Do a long division practice problem in sidewalk chalk outside!



#### 4. Long Division (remainders)

a. Khan Academy:

<https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/division-2>

b. Numberock: <https://www.youtube.com/watch?v=CcGB39f66RY>

c. Identify and interpret remainders in your real life - at the grocery store, in the refrigerator, etc. Example: There are going to be 68 4th Graders next year split between 3 classes.  $68 \div 3 = 22$  with a remainder of 2. This means there will not be an equal number of students in each class. There could be one class of 22 and two classes of 23 or two classes of 22 and one class of 23.

#### 5. Find the perimeter and area of your home!

a. Use a ruler, yardstick, or tape measure to measure the length and width of any room in your home.

b. Calculate the perimeter and area of each room.

c. Ask your parents if they know the “square footage” of your home and see if when you add up the area of each room it equals close to that number. If it’s a lot less, what space could you be missing?

# Summer Learning Recommendations

## Rising 5th Grade - Math

For 2 minutes (everyday) practice multiplication facts of 2 through 15. Upto 15 x 12.

Watch a movie or documentary about a mathematician

Use the Math Speed drills app to learn your math facts

Watch Youtube videos on multiplication methods

Practice long division

Find names of currencies from 10 different countries, include at least 5 continents

Learn a card game that requires strategy

Use Imaginemath through Clever

If you can, play Connect4 and Mastermind

Play nerdle :)

[www.khanacademy.com](http://www.khanacademy.com)

[www.ixl.com](http://www.ixl.com)

# Summer Learning Recommendations

## Rising 6th Grade Math

- <https://www.khanacademy.org/join/D5GEWC9D>

# Summer Learning Recommendations

## Rising 7th Grade Math

- <https://www.khanacademy.org/join/E9XVRUJJ>

# Summer Learning Recommendations

## Bridge to Algebra 1 Summer Academy

- <https://www.khanacademy.org/join/RMA5VDXU>

# Summer Learning Recommendations

## Rising 8th Grade - Math

- <https://www.khanacademy.org/join/VBN3K693>

# Summer Learning Recommendations

## Incoming Algebra 1

- <https://www.khanacademy.org/join/3AK54K8W>

# Summer Learning Recommendations

## Incoming Geometry

- <https://www.khanacademy.org/join/2T4QTNH6>