

## 5th Grade

# Summer Learning Loss Statistics



- It can take up to **2 months** from the first day of school for a student's brain development to get back on track.
- Six weeks in the fall are spent re-learning **OLD** material to make up for summer learning loss!

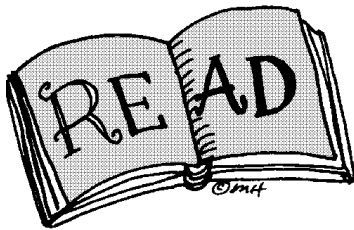
**Nearly 3 months of math skills are lost over the summer months.**

**PREVENT SUMMER LOSS! Work your brain:**

- [EducationGalaxy.com](http://EducationGalaxy.com)
- [GregTangMath.com](http://GregTangMath.com)
- Reflex Math (math fact practice)
- Calendar Math (see attached)
- EnVision Textbook
- [BedTimeMath.org](http://BedTimeMath.org)
- [www.whatdowedoallday.com/diy-summer-math-camp/](http://www.whatdowedoallday.com/diy-summer-math-camp/)

**2 months of reading skills are lost over the summer months.**



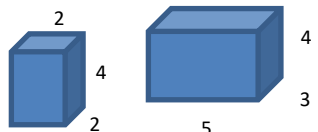




**PREVENT SUMMER LOSS! WORK your brain:**



- TumbleBook Library
- BrainPop
- [Noredink.com](http://Noredink.com)
- Read Theory
- [Learning.com](http://Learning.com)
- Fort Bend County Public Library
- Middle school required reading










**2-3 hours per week during summer vacation is needed to prevent learning loss. Spend **30 minutes** WORKING YOUR BRAIN each morning before any other activities. This is when a child's brain is used to learning.**

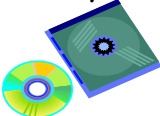


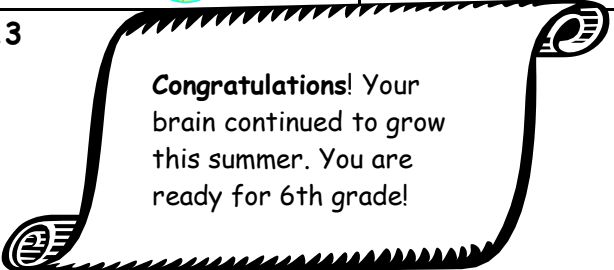
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<p>1 List the composite numbers between 0-50. Justify why they are composite. What are the non composite numbers called?</p>	<p>2 2 factors multiplied together result in a product of 36,000. What might the numbers be? Find at least 6 pairs of factors.</p>	<p>3 If you set out on a hike at 7:15am and return at 3:05pm, how long have you been hiking?</p> 	<p>4 What three (different) even numbers add up to 54? How many combinations can you find?</p> 	<p>5 If your friend's birthday is on the 201st day of the year, what date is this?</p>
<p>8 Round the following to the nearest hundredth:            1) 162.094    2) 34.169            3) 348.638    4) 62.028            5) 9,058.764    6) 5,847.395</p>	<p>9 What is the difference in the two volumes of the solids?</p> 	<p>10 Six friends have 4 sandwiches to share. How can they cut them in equal amounts? How much will each get?</p> 	<p>11 The hind foot of a grizzly bear is 26 cm long. What fractional part of a meter is that?</p> 	<p>12 Measure everyone in your family's wrist in centimeters. Create a dot plot to show the measurements.</p>
<p>15 A California Condor has a 114 inch wingspan. How many feet is this? Record your answer as a decimal.</p>	<p>16 Make an alphabet book of geometric terms. Ex: A is for angle, B is for base etc.</p> 	<p>17 Haley's comet was last seen in 1985. It should be seen again in 76 years. In what year might we see it again? How old will you be?</p>	<p>18 A man collected 2,496 strawberries for him and his 23 friends to share. If they all got the same amount, how many did each one receive?</p>	<p>19 An average American eats about 1400 lbs. of food in a year. How many pounds is that in a month? In a week?</p>
<p>22 If the veterinarian examined 13 dogs and 11 birds, how many eyes did he look at? How many feet?</p>	<p>23 If you have 8 coins in your pocket, with at least 1 penny, 1 nickle, 1 dime, and 1 quarter, what is the most money that you could have? The least?</p> 	<p>24 Gabby ate <math>\frac{1}{4}</math> of a pizza and her sister Madison ate <math>\frac{2}{3}</math> of the pizza. How much of the pizza is left?</p>	<p>25 A board is 8.16 ft long and is cut into four pieces of equal length. How long is each piece?</p>	<p>26 Stan completed his chores and got paid \$12.75 for each day he worked. After 30 days, how much money did Stan earn? (gross)</p>
<p>29 If Stan had to pay a tax of 0.05, what was Stan's net income?</p>	<p>30 I pay 18¢ for a newspaper. I sell the paper for 25¢. How many papers do I have to sell to make a profit of 35¢? To make \$3.50? To make \$35.00?</p>			

# JULY 2020

# 5TH GRADE

# Summer Math Fun

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
		1 A small car goes 30 miles on a gallon of gasoline. Its tank can hold 11 gallons of gas. How many times will the car have to fill up to travel 2,000 miles?	2 How much more is 8 dimes worth than 15 nickels?	3 Place a bowl on the floor and stand about 20 steps away. Toss a coin into the bowl 20 times. How many times did you make it? Express this as a fraction in simplest terms.
6 Make a wish list of 5 things you would like to purchase including the prices. Find the total cost of the items. 	7 I am $> 3,449$ and I am $< 3,502$ . I have a 1 in my ones place and a zero in my tens place. What number am I? Now create your own number riddle.	8 Find the starting time of a movie. If it takes 15 minutes to get there, 20 minutes to buy your ticket and popcorn, what time should you leave home to be in time for the	9 Begin with 35 and count by 7's to 77. Begin with 36 and count by 6's to 66. Try to use decomposing strategies and avoid counting on.	10 At the grocery store, estimate how many bananas will weigh one pound. Check your estimate. What's the cost of 2 lbs. of bananas? 
13 Start with 3,542. Add 1,000 more. Subtract 580. Add 9. What's your number? Make your own number problem.	14 How many ways can you make \$1 using pennies, nickels, dimes and quarters? Make an organized list. 	15 Jose swam 3 laps each day. Micah swam four times as many laps as Jose each day. How many laps did Micah swim in 7 days? 	16 Sophia runs twice as fast as her friend Mia. If Mia runs 3mph, how long will it take Sophia to run 6 miles? 9 miles? 	17 If square A has an area of 16, what is it's perimeter? What if square B has an area of 1,600, what is the perimeter? Explain the measure relationship between square A and square B.
20 What number is 10 more than 4,492? What number is 300 more than 4,830? What number is 500 more than 4,654? Use mental math!	21 What's the rule for my input/output machine? <div> <div>Input</div> <div>Output</div> </div> <div> <div>12</div> <div>4</div> </div> <div> <div>18</div> <div>6</div> </div> <div> <div>36</div> <div>12</div> </div>	22 Mia drank 3 quarts of water at the playground. How many more cups does she need to drink to make a gallon? How many ounces is this?	23 Solve: $(9-7) \times 6 \div (4-2) = \underline{\hspace{2cm}}$ $9 \div 3 \times 7 - (19-8) = \underline{\hspace{2cm}}$ Now create 5 more order of operations number sentences.	24 Write down all of the ages of everyone in your family. Create a stem and leaf plot showing this information.
27 Name all of the prime numbers between 0 and 50.	28 Kate's garden is in the shape of a square with a perimeter of 32 feet. What is the area of the garden? 	29 Calculate: $2.85 \times 29 =$ $279 \times 0.25 =$ Compare the two products and find their difference.	30 I had 2 quarters and 3 dimes. I spent some of the money. I have 3 nickels left. How much money did I spend?	31 If you spend \$25 a day, how long will it take to spend \$100,000? 

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<p>3 On a number line, order the following from least to greatest.  <math>\frac{1}{2}</math>, <math>\frac{2}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{5}</math>, <math>\frac{3}{8}</math></p>	<p>4 Draw a model and solve the following:  <math>\frac{1}{3} \div 7 =</math> _____  <math>6 \div \frac{1}{2} =</math> _____</p>	<p>5 Compare the values of the 2's in the following number:            248,628</p>	<p>6 If you bought 3 CD's each costing \$12.99 and paid with a \$50 bill, what would your change be?</p> 	<p>7 Change the following improper fractions to mixed numbers.  <math>\frac{5}{4}</math>, <math>\frac{11}{5}</math>, <math>\frac{12}{10}</math></p>
<p>10 If four chocolates cost \$1.00, how many chocolates can you buy for \$15.00?</p> 	<p>11 How many multiples of nine are there between 0 and 100? List them.</p>	<p>12 First day of school!</p> 	<p>13</p>  <p><b>Congratulations!</b> Your brain continued to grow this summer. You are ready for 6th grade!</p>	
17	18	19	20	21
24				

# Summer Reading Loss

## Do children really suffer from a summer Reading loss?

Research has proven that the impact of summer reading loss can be significant.

## Who is affected?

- If your child is among the top 25 percent of readers for their age they will probably continue to make some progress during the summer.
- If your child is an average reader for their age, they will likely remain steady or fall slightly during the summer.
- If your child is among the students who have made slower reading achievement during the school year, they are at risk of suffering from a significant reading loss over the summer.

To sum it up, students who are having more difficulty learning to read are the students who suffer the most from summer reading loss.

## What can I do about this?

Research has shown that the best predictor of reading achievement is the amount of time spent reading-The more time a child spends reading, the better reader they become. So the best thing you can do for your child is reading to them, reading with them and giving them opportunities for more reading.

Summer 2020 looks very different from previous years, thanks to the COVID-19 pandemic and the shift to online learning for our district. In the past, campuses have selected specific titles for students to read during the summer in preparation for the following school year. This year, we ask parents and families to commit to 30 minutes a day of reading texts of their choice during the summer months. Research suggests that this simple commitment provides growth in vocabulary, fluency, background knowledge, and overall comprehension.

#### What should my child read?

- Provide students access to different types of reading on different platforms including news, audio books, magazines, even online content. We often think of reading just in terms of books, but other types of text offer engagement and opportunities to practice reading skills.
- Audio books are fine! While we certainly want our readers to practice reading print, audio books model the important skill of fluency as well as comprehension. For some readers, audio books spark an interest in reading that might not otherwise exist.
- Graphic novels are also fine. Graphic novels and their comic book counterparts often have very complex stories, and the images support comprehension.
- Don't worry about the reading level or genre of a text. The most important feature of a text is a child's interest in reading it.
- We agree with author James Patterson, "There is no such thing as a kid who hates reading. There are kids who love reading, and kids who are reading the wrong book." Start with what a child is willing to read, then nudge them into other resources.
- Don't worry if your child abandons a text. Just try another genre, author, topic, or format. Keep trying!
- For helpful hints to support your child's summer reading, please review [Helpful Hints for Supporting Literacy at Home](#).

#### Books, books, and more books!

If you and your child are selecting books and need some suggestions for titles, several organizations spend their time reading and thinking about texts for kids. Check out the links below. Review books alongside your child to find the best match to suit their interests.

[Young Adult Library Services Association \(YALSA\)](#)  
[The International Literacy Association \(ILA\)](#)  
[The Texas Library Association \(TLA\)](#)  
[Houston Area Independent Schools Library Network](#)  
[The American Library Association](#)  
[We Need Diverse Books Walter Awards](#)

Favorite ALA Lists:

[Newbery Honor Books](#)  
[Coretta Scott King Honors](#)

#### Free resources for audiobooks:

- myOn – [free digital library available to students through FBISD Clever](#)
- Audio Book Sync (for upper grades) -- <https://www.audiobooksync.com/>

# Ideas for Summer Reading

- Don't view reading as a chore-create a positive environment for reading so that children look forward to it. You don't have to read, you get to read!
- Reading doesn't have to only be books-Get a magazine about your child's favorite hobby, turn on the captions and turn down the volume on the television, look for information on the web.
- Your day to day routines can provide reading experiences-cooking, using the phone book, reading instructions for a new game, and reading maps or brochures for your vacation spots are all authentic reading experiences
- Read during transition times-Get some more reading time in during the drive to Grandma's house or while waiting for the dentist.
- Keep reading those old Favorites-Reading books that are a little easy or are even memorized build confidence and fluency.
- Read to your child-You get quality time with your child, you are a great reading model and you have the opportunity to talk to your child.
- Talk about books-Ask your child open-ended questions such as "What do you think about that story?" "What would you have done if you were that character?"
- Visit the library-not only can the librarian help you find good, interesting books for your child, but they probably have a summer reading program your child can participate in.
- Support your child's writing-There is no better letter/sound practice than writing. Provide supplies and opportunities for your child to write-letters, lists, messages, vacation journal or scrapbook, etc. Don't worry about spelling-just praise your child's efforts.