



# Getting Ready for Grade 6!

## Summer Reading & Math Practice



Dear Student –

On the pages that follow you will find your summer homework assignments for Reading and Math. The work you do over the summer will help you stay on top of your game and be ready to hit the ground running upon our return to school in August. You are expected to complete this work...it is not optional.

**Reading:** The summer reading assignment will be used by your teacher to get to know you better as a reader and a writer at the start of the new school year. You will need to select a “just right” book to read over the summer and answer some questions about it. You can also join a Newsela Summer Club to do some fun non-fiction reading!

**Math:** Select a minimum of 15 math problems to complete each month, July & August. Be prepared to show your work in a small notebook and be ready to self-assess your effort and progress.

Be sure to space out your work throughout the summer. Do not attempt to do it all at once. Rather, do a little bit each week.

Wishing you a safe and restful summer! Looking forward to seeing you back here on August 29, 2018!



Dear Parents,

Congratulations on the completion of a wonderful school year with your child. Your partnership with your child's teachers is among the biggest factors in their success. As we look ahead to the summer break, we want to continue that partnership and ensure all students will find time to enjoy some fun math and literacy activities during the break.

Research has shown that over the summer months, students often regress in their math skills and reading levels by one month or more. Each year, considerable instructional time is spent reviewing skills and knowledge lost over the summer. This summer learning effect has been observed in schools around the world and can contribute to a widening gap in achievement over time. This data reinforces the importance of reading and practicing math skills over the summer holiday. Therefore, we have created a calendar with fun math activities and a summer reading assignment for your child to complete over the summer months. These activities are required summer work and will enable your child to review concepts and reinforce skills learned during the past school year.

**MATH:** Just a few minutes each day spent thinking and talking math and practicing skills will help reinforce the learning that has happened over the past year and will build the foundation for the skills and concepts that will be developed next year. This summer math practice consists of 2 calendar pages, one for July and one for August. Literature and websites are also recommended to explore mathematics in new ways. The goal is for your child to have fun thinking and working collaboratively to communicate mathematical ideas. While your child is working, discuss the math concept being targeted using the prompts found in this packet. Your child should aim to complete at least 15 math days each month. In order for your child to benefit from summer math practice, they should space the practice work out over the summer, opting to do a little bit each week rather than all of it at once at the beginning of summer or right before returning to school in August.

**READING:** Your child will be asked to read one book of their choice and to select 3 questions from the list in this packet to answer about their book. See links to book recommendations and tools to help your child select a "just right" book found in this packet. The book must be appropriate for your child's age and reading style. While your child is required to read one book this summer, we highly encourage reading beyond the assignment, whether fiction or non-fiction, in English or any other language.

**OPTIONAL NON-FICTION READING:** For students looking for more of a challenge or for some interesting non-fiction reading, an optional extension assignment will be to join a **Newsela Summer Camp** reading group. By joining a Summer Reading Club, students will receive ten assigned articles about the club topic, along with Write Prompts asking them to free write about the topic. More information on the Newsela Summer Camp is found in this packet.

**Your child should highlight which math problems they completed on the attached math calendar pages and be prepared to turn in a notebook showing their calendar math work as well as the attached reading report to their Math and English teachers upon return to classes at the end of August.**

Best wishes for a great summer!



## Tips for Helping Your Child with Math

- Expect your child to work hard and be good at math.
- Ask “How did you get that?” “Can you show me another way to do that?” “Remember how you did \_\_\_\_, see if you can use that same strategy.”
- Encourage your child to stick with a task even if it seems challenging.
- Highlight the math in everyday activities, such as cooking, shopping, and playing sports.
- Play math games like Yahtzee and Monopoly. Playing with blocks and completing jigsaw puzzles are great ways to help reinforce spatial skills and look for patterns.
- If you see signs of frustration, suggest leaving the problem for a day or two and returning to it with fresh perspective at another point.
- Listen carefully to how your child is thinking about math.
- Let them figure it out themselves by asking questions without telling them what to do. Here are some great conversation prompts as your child works through their summer math.

### In the beginning....

What do you know?

What do you need to find out? How might you begin?

What should you do first?

### While working....

How can you organize your information?

Can you make a drawing to explain your thinking?

What would happen if...?

What do you need to do next?

Do you see any patterns? Any relationships?

Can you predict...?

Does this remind you of any other problems you’ve done?

### Reflecting on Solutions...

Is your solution reasonable?

How did you arrive at your answer?

Can you convince me that your solution makes sense?

What did you try that didn’t work?

### Responding...

Your response is as important as your initial question. Continue to discuss problems even after children have their answer. This will give your child a chance to clarify thinking and make more connections.

### You can ask:

How do you know that your answer makes sense?

Do you know another way to solve this?

Do you think there is more than one answer? How could we find out?

*Special thanks to [Project Aero](#) and Ms. Erma Anderson for the Summer Math Calendars!*

Suggested Math Book List	
Author	Title
Wendy Isdell	A Gebra Named Al
Jon Scieszka	Math Curse
Blue Balliett	Chasing Vermeer
Cindy Neuschwander	Sir Cumference & the First Roundtable; & the Dragon of Pi; & the Great Knight of Angleland; the Sword in the Cone
Hans Magnus Enzensberger	Number Devil: A Mathematical Adventure
Rod Clement	Counting on Frank
Time Inc.	Guinness Book of Records
Luetta Reimer & Wilbert Reimer	Mathematicians are People Too

## Tips for Helping Your Child with Reading and Selecting a Just-Right Book

We encourage parents of Middle School students to be actively involved in the book selection process by reviewing and approving the books your children read. Help your child to see the summer as a time when they can dive into books that feed their imagination and special interests.

Be sure to review your child’s Reading MAP test results. Among the scores for this test, you will also find your child’s *Lexile Range*. This score will help you understand your child’s reading level and also the difficulty level of chosen books and articles. For more information on Lexile measures, please visit <https://lexile.com/about-lexile/lexile-overview/>

Helping your child find age-appropriate material requires your guidance and continued support. A Lexile measure, for example, does not take the content of a book into consideration. When choosing a book, Lexile measure is only one factor to consider – also consider your child’s grade level, maturity and personality. If you are still unsure, the Common Sense Media website <http://www.commonsensemedia.org/> is a great tool to find trustworthy ratings and reviews for books as well as other media.

Visit these links for book recommendations: <https://www.thoughtco.com/summer-reading-lists-for-kids-and-teens-627024> and <http://www.readbrightly.com/summer-reading-central/>

Here are some tools for helping your child select a book this summer.

Choosing a “Just Right Book”	
<ul style="list-style-type: none"> <li>Review your Lexile range on your MAP test with your parents.</li> <li>Visit <a href="http://www.commonsensemedia.org">www.commonsensemedia.org</a> with your parents to check specific books.</li> <li>The “Five-Finger Rule” or “Good Fit” Questions</li> </ul>	
Five-Finger Rule	Good Fit Questions
<ul style="list-style-type: none"> <li>Choose a book that you think you will enjoy.</li> <li>Read the second page.</li> <li>Hold up a finger for each word you are not sure of, or do not know.</li> <li>If there are five or more words you did not know, you should choose an easier book.</li> <li>Still think it may not be too difficult? Use the five-finger rule on two more pages.</li> </ul>	<p>Read two or three pages and ask yourself these questions:</p> <p><b><u>Will it be an easy, fun book to read?</u></b></p> <ul style="list-style-type: none"> <li>Do I understand what I am reading?</li> <li>Do I know almost every word?</li> <li>When I read it aloud, can I read it smoothly?</li> <li>Do I think the topic will interest me?</li> <li>If most of your answers were "yes", this will be an easy book to read independently by yourself.</li> </ul> <p><b><u>Will this book be too hard for me?</u></b></p> <ul style="list-style-type: none"> <li>Are there five or more words on a page that I don't know, or am unsure of?</li> <li>Is this book confusing and hard to understand by myself?</li> <li>When I read it aloud, does it sound choppy and slow?</li> <li><b>If most of your answers were "yes," this book is too hard. You should wait awhile before you read this book. Give the book another try later, or ask an adult to read the book to you.</b></li> </ul>

## JULY MATH PRACTICE

	Monday	Tuesday	Wednesday	Thursday	Friday	
1	<b>2)</b> 0.75 is the answer. What could the question possibly be? Challenge yourself to think of more questions.	<b>3)</b> Six friends have 4 sandwiches to share. What fraction of a sandwich would each person get? Can you find examples of similar problems?	<b>4)</b> Express the number 50 in at least 25 different ways. Use all 4 operations and include fractions and decimals.	<b>5)</b> Write an expression for: add 2 and 4 and multiply the sum by 3. Next, add 5 to that product and double the result.	<b>6)</b> Try a new activity at <a href="http://www.coolmath4kids.com/">http://www.coolmath4kids.com/</a> Challenge yourself. What did you choose to do?	7
8	<b>9)</b> On Saturday, $\frac{3}{4}$ of a 5th grade class went to see a new movie. If $\frac{1}{2}$ of the class went to the afternoon session, what fraction of the class went to the evening session?	<b>10)</b> Count cricket chirps for 15 seconds. Add 39. This will give you the F. temp outside. Try it on 3 different days. Does it work?	<b>11)</b> Choose a favorite professional athlete, actor, or musician. And research his/her annual salary. How much does s/he earn in a month? A day?	<b>12)</b> A rectangle is twice as long as it is wide. Its width is $5\frac{1}{2}$ cm. Find the area of the rectangle.	<b>13)</b> The sum of two mixed numbers with unlike denominators is $5\frac{3}{5}$ . What might the two mixed numbers be? Show as many different solutions as you can.	14
15	<b>16)</b> Tom build a backyard pen for his new puppy. The length of the pen was $6\frac{1}{4}$ meters and the width was 4 meters. What is the area of the pen?	<b>17)</b> 286,489 is an odd number. How many times greater is the 8 in the ten thousands place than the 8 in the tens place? Explain your thinking.	<b>18)</b> Monday through Friday a baker uses 1 and $\frac{1}{4}$ sacks of flour when baking cakes. Will the baker use more than or less than 5 sacks of flour from Monday through Friday?	<b>19)</b> Use four 4's to create problems that will equal 1-12. Remember to use the correct order of operations to solve your problems: Parentheses, Exponents, Multiply or Divide, Add or Subtract.	<b>20)</b> Deal 3 cards to make a 3-digit number. Even numbers are whole numbers. Odd numbers are decimals. Repeat this. Add the 2 #s. Turn over 3 new cards per turn. Continue to add the # to the last score. Game to 300.	21
22	<b>23)</b> You have $2\frac{5}{8}$ pizzas to share equally with 3 people. How much pizza will each person get?	<b>24)</b> Multiply two fractions together to get the number 1 What do you notice?	<b>25)</b> Write a story problem for this problem: $2 \div \frac{1}{3}$ Try to make the story about your summer.	<b>26)</b> There are 3 pizzas. Each child will get $\frac{1}{4}$ of a pizza. How many children will get pizza?	<b>27)</b> Place parentheses in the following equation to make it true. $6 + 6 \div 6 \times 6 - 6 = 0$	28
29	<b>30)</b> 286,489 is an odd number. How many times greater is the 8 in the ten thousands place than the 8 in the tens place? Explain.	<b>31)</b> Choose a geometry activity at Math Illuminations <a href="http://illuminations.nctm.org/Search.aspx?view=search&amp;type=ac&amp;st=g&amp;gr=3-5 6-8">http://illuminations.nctm.org/Search.aspx?view=search&amp;type=ac&amp;st=g&amp;gr=3-5 6-8</a>		<b>Fun Websites to explore:</b> <a href="https://www.funbrain.com/">https://www.funbrain.com/</a> <a href="https://www.nctm.org/illuminations/">https://www.nctm.org/illuminations/</a> <a href="http://playkidsgames.com/">http://playkidsgames.com/</a> <a href="http://figurethis.nctm.org/">http://figurethis.nctm.org/</a> <a href="https://www.coolmath4kids.com/">https://www.coolmath4kids.com/</a>		

## AUGUST MATH PRACTICE

	Monday	Tuesday	Wednesday	Thursday	Friday	
			<b>1)</b> Play Sudoku from the newspaper or online. How did logic help you to solve the puzzle?	<b>2)</b> Is a 3-liter pitcher large enough to hold 25 cups of juice? Explain.	<b>3)</b> How many blades of grass are in a square yard of your backyard? Use logic, measurement, and problem-solving to find the answer.	<b>4</b>
<b>5</b>	<b>6)</b> Write a word problem for the equation: $1/2 \times 2/3 = X$ Solve it!	<b>7)</b> Find the sum and difference between two decimals. Compare the two decimals using >, =, and < symbols.	<b>8)</b> Visit the website Figure This and look for a real-life math challenge. <a href="http://www.figurethis.org/index.html">http://www.figurethis.org/index.html</a>	<b>9)</b> Find a fraction or decimal in the newspaper. What did it relate to?	<b>10)</b> If you spend \$100.00 a day, how many days will it take to spend a million dollars? How many years is that? What would you buy?	<b>11</b>
<b>12</b>	<b>13)</b> I am a number less than 50. When divided by 5, my remainder is 4. Who am I? Is there more than 1 correct answer?	<b>14)</b> Evaluate the following numerical expression. $2 \times (5 + 3 \times 2 + 4)$ Can the parentheses in this expression be removed without changing the value of the expression?	<b>15)</b> Jen is 12 and Amy is 13. In 25 years, what will the products of their ages be?	<b>16)</b> Find the sum of the digits of your phone number. What numbers is it divisible by?	<b>17)</b> If you buy 3 books at \$3.95 each, how much change would you get from \$20.00?	<b>18</b>
<b>19</b>	<b>20)</b> I am an even 3-digit palindrome. (ex: 464) The product of the digits is 8. What number am I?	<b>21)</b> Round to the nearest hundredths place value:  60.747	<b>22)</b> Leo and Maria are comparing the product of $60 \times 225$ to the product of $30 \times 225$ . Mia says she can compare these products without multiplying the numbers. Explain how she might do this.	<b>23)</b> Robert has 986 paperback books. He wants to put these books on storage shelves. Each shelf can hold 50 paperback books. How many shelves will Robert need to hold all of the books?	<b>24)</b> The average cow can produce more than 45,968 glasses of milk in a year. There are 52 weeks in a year. About how many glasses of milk can a cow produce each week?	<b>25</b>
<b>26</b>	<b>27)</b> Can you use $1/8 \times 2/5$ to solve this problem: There is $2/5$ of a pizza left. If Jon eats another $1/8$ of the original pizza, what fraction of the pizza will be left over? Explain.	<b>28)</b> Read Guinness Book of Records by Time Inc. (or look online for world records). What record surprised you the most? Why?	<b>29)</b> Find two objects in your house for which the length of one is double the length of the other. Measure the length in centimeters.	<b>30)</b> Start with 3,542. Add 100 more. Subtract 50. Add 8. What's your number? Is this a square number? Make your own number problem.	<b>31)</b> Read a book about math. (There is great list attached to this calendar.)	







## Grade 6 Summer Reading Report Questions

Student Name \_\_\_\_\_

Title of Book \_\_\_\_\_

Author \_\_\_\_\_

This Reading Report Form will be due the first day of classes. It is important to try your best on this assignment because it will be your teacher's first impression of you as readers and writers and will help her to shape the school year so that it is just right for you.

**Instructions:** Answer 3 of the following questions on the lined paper attached. You must write a well-written paragraph for each answer with detailed explanations. Circle the questions you choose to answer. You will be graded based on the rubric in this packet.

1. Give the names of the three most important characters and a brief description of each (age, personality, physical description, relationships to other characters). Describe how the characters are/ are not like you.
2. When and where does the story seem to take place? What clues in the story did you use to determine the place (setting) and the time the story took place?
3. Is the main character in the book good or bad? Defend your decision with examples from the book.
4. Identify the main problem faced by the characters in this book. Have you experienced similar problems? How is the problem solved in the story?
5. Could the story have ended differently? How would you have liked it to end?
6. Write a paragraph telling something you have seen or done yourself that is related to the material read in this story.
7. How would your life be different if you had lived through some of the experiences of the story?
8. Select an incident from the book that appeals to you (that you liked or thought was interesting). Give at least three reasons why you liked it.
9. How might the story have been different from another character's point of view (for example, Cinderella told from Prince Charming's perspective)?
10. What do you think the author's purpose was in writing the book? What idea, feeling, etc. did he or she want the reader to have?











## Summer Reading Homework Rubric

Student Name: \_\_\_\_\_

Target: 3=Proficient*  (4=Exceptional, 2=Progressing, 1=Needs Improvement)  *All 3s = B+	4	3	2	1	Feedback
<b>Completion</b> <ul style="list-style-type: none"> <li>All parts are complete and generally well done</li> <li>Completed on time</li> </ul>					
<b>Quality</b> <ul style="list-style-type: none"> <li>All tasks have been addressed thoughtfully and with careful consideration</li> <li>Questions are answered fully and in complete sentences</li> </ul>					
<b>Knowledge and Understanding</b> <ul style="list-style-type: none"> <li>Responses show a sound knowledge and understanding of themes, plot, vocabulary</li> </ul>					
<b>Language</b> <ul style="list-style-type: none"> <li>Language is clear, concise and generally error-free</li> </ul>					

Self-Assessment of my Summer Reading Work: \_\_\_\_\_

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## Grade 6 Summer Reading Optional Newsela Assignment



Explore outer space, learn about your favorite superheroes, or see how student activists are making a difference – all on Newsela this summer! Join a Summer Reading Club to explore an interesting topic over break. Starting on June 1st, you will receive 10 articles about the topic for each club you join. Newsela can be accessed at [Newsela.com](https://newsela.com), or by downloading the app from iTunes or from the Google Play store (and you can read offline with those apps).

Returning AISC students can use the Newsela account they have already created. Join a Summer Reading Club by following the Club Link or by entering the Club Code on your settings page (for your settings page, sign into [Newsela.com](https://newsela.com) and click your name in the upper right corner).

New students will need to sign up for an account by following the link to Ms. Deliyiannis’ class. Then add a Summer Reading Club following the instructions above. All incoming students should join [Ms. Deliyiannis’ Newsela class](#) so that she can see your progress. Students under age 13 will need parent email confirmation.

Class Name	Club Link	Club Code
Animals Reading Club	<a href="https://newsela.com/quickjoin/#/READ01">https://newsela.com/quickjoin/#/READ01</a>	READ01
Sports Reading Club	<a href="https://newsela.com/quickjoin/#/READ02">https://newsela.com/quickjoin/#/READ02</a>	READ02
Technology Reading Club	<a href="https://newsela.com/quickjoin/#/READ03">https://newsela.com/quickjoin/#/READ03</a>	READ03
Space Reading Club	<a href="https://newsela.com/quickjoin/#/READ04">https://newsela.com/quickjoin/#/READ04</a>	READ04
Movies Reading Club	<a href="https://newsela.com/quickjoin/#/READ05">https://newsela.com/quickjoin/#/READ05</a>	READ05
Comic Books Reading Club	<a href="https://newsela.com/quickjoin/#/READ06">https://newsela.com/quickjoin/#/READ06</a>	READ06
Art Reading Club	<a href="https://newsela.com/quickjoin/#/READ07">https://newsela.com/quickjoin/#/READ07</a>	READ07
Activism Reading Club	<a href="https://newsela.com/quickjoin/#/READ08">https://newsela.com/quickjoin/#/READ08</a>	READ08

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