

Getting Ready for Grade 7!

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 is to read the novel *The Giver* by Lois Lowry and to answer a writing prompt. This novel will be your first unit in the new school year, so you will want to make sure that you read it carefully. You are certainly welcome to do some reading beyond this one book, too. 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 about 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 *The Giver* by Lois Lowry and to answer a writing prompt related to the novel. It will be very important that they complete the assignment as the novel will be the first unit of study after the summer break. The book will be checked out to students before the summer break begins. If you are new to AISC, you can request to pick up a copy of the book from the school or you can purchase your own. While your child is required to read this one book over the summer, we highly encourage reading beyond the assignment, whether fiction or non-fiction, in English or any other language. 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.

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
Catherine Jinks	Evil Genius
Brendan Halpin	Forever Changes by
Piper Banks	Geek Abroad
Shelley Pearsall	All of the Above
Adele Griffin	Hannah Divided
Sharelle Byars	A Higher Geometry
by 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/>

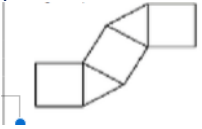
Helping your child find age-appropriate material requires your guidance and continued support. A Lexile measure, for example, does not take the content of a book into consideration. When choosing a book, Lexile measure is only one factor to consider – also consider your child's grade level, maturity 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/>

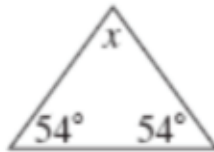
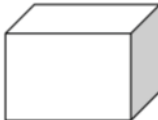

Here are some tools for helping your child select a book this summer.

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

JULY MATH PRACTICE

	Monday	Tuesday	Wednesday	Thursday	Friday	
1	2) In trail mix, the ratio of cups of peanuts to cups of chocolate candies is 3 to 2. How many cups of chocolate candies would be needed for 9 cups of peanuts?	3) A tank is 24 cm wide, and 30 cm long. It contains a stone and is filled with water to a height of 8 cm. When the stone is pulled out of the tank, the height of the water drops to 6 cm. Find the volume of the stone.	4) Mia walks her dog twice a day. Her evening walk is two and a half times as far as her morning walk. At the end of the week she says she walked her dog 30 miles. How long is her morning walk?	5) At Books Unlimited, 3 paperback books cost \$18. What would 7 books cost? How many books could be purchased with \$54?	6) List all the factors of 48. List all the factors of 64. What are the common factors of 48 and 64? What is the greatest common factor of 48 and 64?	7
8	9) The temperature is -28°F in Anchorage, Alaska and 65°F in Miami, Florida. How many degrees warmer is it in Miami than in Anchorage?	10) Write an expression to represent the situation. The skating rink charges \$100 to reserve and then \$5 per person. Write an expression to represent the cost for any number of people.	11) Seth wants to buy a new skateboard that costs \$169. He has \$88. If he earns \$7.25 an hour pulling weeds, how many hours will he have to work to earn the rest of the money needed?	12) Alisa had $\frac{1}{2}$ liter of juice in a bottle. She drank $\frac{3}{8}$ liters of juice. What fraction of the juice in the bottle did Alisa drink?	13) What is the smallest number that is divisible by 1,2,3,4,5,6,7,8,9 and 10? How do you know?	14
15	16) If it took 7 hours to mow 4 lawns, then, at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed?	17) The temperature in Alaska was 23 degrees below zero and in Maine was 14 degrees below zero. Ben wrote <i>Maine was colder because $-14 < -23$</i> . Is Ben correct? Explain your answer.	18) Will this net form a triangular prism? 	19) What is the prime factorization of 32?	20) Lin rode her bike 150 minutes. If she rode at a constant speed, how far did she ride in 15 min? How long did it take her to ride 6 miles? How fast did she ride in miles per hr?	21
22	23) The average of six numbers is 4. A seventh is added and the new average is 5. Find the seventh number.	24) Are $3(3x - y)$ and $12(x-4y)$ equivalent expressions?	25) Bryan sells candy bars at 4 for 50¢. How many candy bars must Bryan sell in order to make \$5.00?	26) If Terri swam 3 laps in 2.5 minutes, how long would it take her to swim 20 laps at the same rate?	27) Find the sum of the first ten prime numbers.	28
29	30) Given an expression such as $3x + 2y$, find the value of the expression when x is equal to 4 and y is equal to 2.4.	31) What is a real-life example of: $\frac{3}{4} \div \frac{1}{2} =$		Fun Websites to explore: https://www.funbrain.com/ https://www.nctm.org/illuminations/ http://playkidsgames.com/ http://figurethis.nctm.org/ https://www.coolmath4kids.com/		

AUGUST MATH PRACTICE

	Monday	Tuesday	Wednesday	Thursday	Friday	
			1) Play Sudoku from the newspaper or online. How did logic help you to solve the puzzle?	2) Is a 3-liter pitcher large enough to hold 25 cups of juice? Explain.	3) How many blades of grass are in a square yard of your backyard? Use logic, measurement, and problem-solving strategies to find the answer.	4
5	6) Amy has a fish tank that is a rectangular prism, 20 cm by 20 cm by 16 cm. What is the volume of the tank? If Amy only fills the tank $\frac{3}{4}$ of the way, what will be the volume of the water in the tank?	7) What is the value of angle x? 	8) A jacket costs \$75.00. It is on sale for 30% off. If you give the cashier \$60.00, calculate the amount of money she will return to you.	9) Denver's elevation is 5280 feet above sea level. Death Valley's is !282 feet. Is Death Valley located above or below sea level? Explain. How many feet higher is Denver than Death Valley?	10) Alex is painting 4 exterior walls of a rectangular barn. The length is 80 feet, width is 50 feet, and height is 30 feet. The paint costs \$28 per gallon, and each gallon covers 420 sq. feet. How much will it cost? Explain.	11
12	13) 545 is halfway between 350 and what number?	14) If the area of a rectangle is 30cm^2 and the perimeter is 26 cm. What is its length and width?	15) If three pies require 2 dozen apples, then four pies require ___ dozen apples.	16) Find two numbers that have 2, 5, and 7 as factors.	17) The sum of two odd numbers is 28. The product of the two numbers is 115. What are the two numbers?	18
19	20) Find the area and perimeter of a triangle with dimensions of 8 cm, 14.4 cm, and 12 cm.	21) Place parentheses in the following equation to make it true. $6 + 6 \div 6 \times 6 - 6 = 13$	22) If a quadrilateral has three angles measuring, 60° , 45° and 100° , find the measure of the fourth angle.	23) Debbie has 42 marbles and Chris has 24 marbles. How many marbles should Debbie give to Chris so that they will have the same number of marbles?	24) A bag contains 60 marbles, some blue and some green. The ratio of blue marbles to green ones is 1 : 5. How many blue marbles are there?	25
26	27) Name this solid figure and find the number of faces, edges and vertices: 	28) Name this solid figure and find the number of faces, edges and vertices: 	29) Find the LCM (9, 15) = LCM (6, 18) =	30) Find the area and perimeter of a rectangle with length measuring 14 cm and width measuring 5 more than twice the length.	31) Read a book about math. (There is great list attached to this calendar.)	



Summer Math Homework Self-Assessment Rubric

Student Name: _____

	Exemplary	Proficient	Beginning	Needs Improvement
Completion	I completed more than 35 math calendar problems this summer.	I completed 30-35 math calendar problems this summer.	I completed fewer than 30 math calendar problems this summer.	I did not complete any math calendar problems this summer.
Pacing	I spent time working on calendar math problems weekly.	I usually worked on calendar math problems weekly.	I did not space out my calendar math problems weekly over the summer.	I did not complete any math calendar problems this summer.
Quality & neatness of work	I kept a notebook; I labelled each problem clearly; I showed my work neatly; I clearly identified my answers.	I kept a notebook; I usually labelled each problem; I sometimes showed my work; I sometimes identified my answers.	I did not keep a notebook; my work was done on scratch paper; I did not always show my work; I did not clearly identify my answers.	I did not complete any math calendar problems this summer.
Accuracy	My answers to summer math problems were more than 90% accurate.	My answers to summer math problems were 80-89% accurate.	My answers to summer math problems were 70-79% accurate.	My answers to summer math problems were less than 70% accurate.

Self-Assessment of my Summer Math Work: _____



Grade 7 Summer Reading Answer Sheet

Student Name: _____

The Giver
by Lois Lowry

Instructions: Along with completing the novel, you must respond to the following prompt, to be handed in on the first day you are back in class:

Choose a passage from the novel that you think is significant. The passage (short extract) could be a paragraph, scene, chapter, page, etc., and could be a passage you didn't understand, one that reveals something about a character, something you found awful, something you found especially funny, a scene that is descriptive or central to the story, or anything else that especially stood out to you while reading.

Once you have chosen a passage, you will write a paragraph (typed or neatly written on the pages below) explaining why you chose that paragraph. The paragraphs that you write will become the basis for discussion and for a longer essay based on the novel, which we will write in class.



Summer Reading Homework Rubric

Student Name: _____

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

Self-Assessment of my Summer Reading Work: _____

Grade 7 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	https://newsela.com/quickjoin/#/READ01	READ01
Sports Reading Club	https://newsela.com/quickjoin/#/READ02	READ02
Technology Reading Club	https://newsela.com/quickjoin/#/READ03	READ03
Space Reading Club	https://newsela.com/quickjoin/#/READ04	READ04
Movies Reading Club	https://newsela.com/quickjoin/#/READ05	READ05
Comic Books Reading Club	https://newsela.com/quickjoin/#/READ06	READ06
Art Reading Club	https://newsela.com/quickjoin/#/READ07	READ07
Activism Reading Club	https://newsela.com/quickjoin/#/READ08	READ08

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