



## **Summer Math & Literacy Practice Getting Ready for KG5**

Dear Parents,

Thank you for your trust in us as we worked with your children this year! Your collaboration with your child's teacher is among the biggest factors in their success. As we look ahead to the summer break, we want to continue our partnership and ensure all students will find time to enjoy some pleasurable reading, writing, and math activities during the break.

Research has shown that over the summer months students may regress in their academic skills by one month or more. Each year, considerable instructional time is spent reviewing skills and knowledge lost over the summer months. While research into the summer learning effect is on-going, there is little doubt as to the importance of reading and practicing Math and Literacy skills over the summer holiday. For this reason, we have created calendars with fun Math and Literacy activities for your child to complete over the summer months.

These **optional** summer activities will enable your child to review concepts and reinforce skills learned during the past school year.

### **In KG4, instructional time in math focused on two critical areas:**

1. Developing an understanding of whole numbers to 10, including concepts of one-to-one correspondence, counting, cardinality (the number of items in a set), and comparison.
2. Recognizing two-dimensional shapes, describing spatial relationships, and sorting and classifying objects by one or more attributes. Relatively, more learning time should be devoted to developing children's sense of number as quantity than to other mathematics topics.

### **In KG4, instructional time in Literacy focused on:**

1. Detect beginning sounds in words.
2. Establishing relationships between print and pictures and communicating this meaning through drawings and letters.
3. Mastering print concepts and conveying understanding through oral comprehension and vocabulary.

Just a few minutes each day spent thinking and talking math and practicing literacy 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 during the upcoming school year. This summer learning packet consists of 2 calendar pages, one for July and one for August. Literature and websites are also recommended to explore mathematics and literacy in new ways. While your child is working on math problems, discuss the math concept being targeted. Your child should aim to complete at least 15 math days each month as well as weekly literacy prompts. Additionally, you should be reading to your child at least 20 minutes per day.

**\*Please have your child highlight which math problems they did on the attached calendar pages and be prepared to turn in a notebook showing their calendar math and literacy work upon return to classes on September 2, 2024.**

Best wishes for a great summer!

## Parent Tips for Supporting Your Child with Summer Work

In order for your child to benefit from summer work, 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.

### Tips for Helping Your Child with Literacy:

- Choose books that have pictures and predictable text. While reading to them you should:
  - Identify high-frequency words (e.g., the, I, in, he).
  - Model expressive and fluent reading when you read aloud.
  - Match one-to-one (pointing to a word while saying it) consistently.
  - Re-read familiar books to help build fluency.
  - Talk about what is happening in the illustrations or photographs.
  - Recall some events in a story.
- While they are writing, help them to:
  - Practice sounding out words they want to say phonetically.
  - Use correct manuscript letter and number formation.
  - Add details and colors to their drawings.

### 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!*

## JULY MATH PRACTICE

JULY MATH PRACTICE						
	Monday	Tuesday	Wednesday	Thursday	Friday	
	<b>1)</b> Trace your hand with a pencil. 	<b>2)</b> Write your first name.	<b>3)</b> Jump up and down ten times.	<b>4)</b> Count by ones to ten.	<b>5)</b> Today is July 1 <sup>st</sup> . What will be tomorrow's date?	<b>6</b>
<b>Literacy Prompt week of July 1: Draw a picture of a food you like to eat during the summer.</b>						
<b>7</b>	<b>8)</b> Count the windows in your home (or wherever you are staying). What shape are they?	<b>9)</b> Set the table for dinner. Count the knives and forks.	<b>10)</b> Name four things taller than you. Name four things shorter than you.	<b>11)</b> Put your left hand on your stomach. Put your right hand on your head. What is something to the right of the building you are in? To the left?	<b>12)</b> Write the numbers one to three.	<b>13</b>
<b>Literacy Prompt week of July 8: Draw a picture of your favorite thing to do when it is hot outside.</b>						
<b>14</b>	<b>15)</b> Go for a walk then draw a picture of five things you remember seeing.	<b>16)</b> Count the steps from your front door to the back door.	<b>17)</b> Practice saying your phone number.	<b>18)</b> Do ten hops on each foot? Can you do more?	<b>19)</b> Put your hand <u>above</u> , <u>behind</u> , and <u>under</u> a chair. Say each word as you do it.	 <b>20</b>
<b>Literacy Prompt week of July 15: What is your favorite book to read with your family? Draw a picture of your favorite part of the book.</b>						
<b>21</b>	<b>22)</b> Show the numbers 1 to 10 using coins, buttons, or cereal, etc.	<b>23)</b> Draw a circle, square, triangle, and rectangle. Color them neatly.	<b>24)</b> Touch your right foot with your left hand. Touch your left foot with your right hand.	<b>25)</b> Build shapes using toothpicks and marshmallows.	<b>26)</b> Find 5 items. Show two different ways to split them into groups. How many are in each group?	<b>27</b>
<b>Literacy Prompt week of July 22: If I were an animal, I would like to be a _____ . Draw a picture of the animal you would like to be.</b>						
<b>28</b>	<b>29)</b> Practice saying the days of the week.	<b>30)</b> Count the number of people in your family.	<b>31)</b> Read a book about math. (There is great list attached to this calendar.)			

## AUGUST MATH PRACTICE

AUGUST MATH PRACTICE						
	Monday	Tuesday	Wednesday	Thursday	Friday	
	<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://figurethis.nctm.org/">http://figurethis.nctm.org/</a> <a href="https://www.coolmath4kids.com/">https://www.coolmath4kids.com/</a>		<b>2)</b> Read a book about math. (There is great list attached to this calendar.)	<b>1)</b> Count the letters of your first and last name	<b>2)</b> Sort objects by color such as, m&m's, skittles, fruit loops, buttons, Legos, etc.	<b>3</b>
<b>Literacy Prompt week of July 29: My family has _____ people in it. Draw a picture of your family.</b>						
<b>4</b>	<b>5)</b> Count by twos using pairs of socks.	<b>6)</b> Say the days of the week.	<b>7)</b> Circle the picture that shows fewer than 10.  <div style="text-align: center;">                         ● ● ● ● ● ●                          ● ● ● ● ● ● ● ●                     </div>	<b>8)</b> Practice bouncing a ball for ten seconds.	<b>9)</b> Touch your right hand to your left knee five times. Touch your left hand to your right knee five times.	<b>10</b>
<b>Literacy Prompt week of August 5: What is your favorite summer activity? Draw a picture of your favorite summer activity.</b>						
<b>11</b>	<b>12)</b> Name five items that begin the same way (with the same sound) as sun.	<b>13)</b> How many days until school begins?	<b>14)</b> Count to 20.	<b>15)</b> Draw a group of balls that has 1 more than 2.	<b>16)</b> Draw a group of balls that has 3 fewer than 5.	<b>17</b>
<b>Literacy Prompt week of August 12: When I grow up I want to be a _____. Draw a picture of you as what you want to be when you grow up.</b>						
<b>18</b>	<b>19)</b> Draw dots to show 10.	<b>20)</b> Circle the third gummy bear below.  	<b>21)</b> Danny sees 5 ladybugs. 2 ladybugs leave. How many ladybugs are still there?  	<b>22)</b> Circle the object to the left.  	<b>23)</b> Circle the number that is out of order.  <div style="text-align: center;">0 1 3 2</div>	<b>24</b>
<b>Literacy Prompt week of August 19: Tell someone in your family what you want to learn in KG5. Draw a picture of what you will look like on the first day of KG5.</b>						
<b>25</b>	<b>26)</b> Draw 3 balls and 2 pencils.	<b>27)</b> Name two things bigger than a car. Name two things smaller than a car.	<b>28)</b> How high can you count? ____ Practice counting items around your house.	<b>29)</b> Find five items that are red.	<b>30)</b> Play the game I Spy with shapes! (example: I SPY something that is round and has 2 hands).	<b>31</b>

<b>SUMMER MATH HOMEWORK SELF-ASSESSMENT RUBRIC</b>				
	<b>Exemplary</b>	<b>Proficient</b>	<b>Beginning</b>	<b>Needs Improvement</b>
<b>Completion</b>	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.
<b>Pacing</b>	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.
<b>Quality &amp; Neatness of Work</b>	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.
<b>Accuracy</b>	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.

<b>SUMMER LITERACY HOMEWORK SELF-ASSESSMENT RUBRIC</b>				
	<b>Exemplary</b>	<b>Proficient</b>	<b>Beginning</b>	<b>Needs Improvement</b>
<b>Completion</b>	I responded to more than 7 Literacy prompts this summer.	I responded to 5-7 Literacy prompts this summer.	I responded to fewer than 5 Literacy prompts this summer.	I did not respond to any Literacy prompts this summer.
<b>Pacing</b>	I spent time working on my Literacy prompts weekly this summer.	I usually worked on calendar Literacy prompts monthly.	I did not space out my calendar Literacy prompts weekly over the summer.	I did not respond to any Literacy prompts this summer.
<b>Quality &amp; Neatness of Work</b>	I kept a notebook; my work is my best effort and is neatly presented	I kept a notebook; my work shows good effort	I did not keep a notebook; my work was done on scratch paper; my work shows little effort	I did not respond to any Literacy prompts this summer.
<b>Ideas and Content</b>	I was able to respond to all of the Literacy prompts; I provided great details in my illustrations and can give detailed verbal descriptions of what I drew for all prompts	I was able to respond to most of the Literacy prompts; I included some details in my illustrations and can describe what I drew	I was not sure how to respond to most of the Literacy prompts; I didn't have many details in my illustrations; I cannot describe my drawings	I did not respond to any reading prompts this summer.

### Suggested Reading List - Pre-KG and KG Math

Please note: This is a suggested list to read aloud or have your child read independently. Parents may wish to preview content to ensure appropriateness for their children.

<p>Aber, Linda Williams, <b>Grandma's Button Box (Math Matters Series.)</b>          Angelou, Maya, <b>My Painted House, My Friendly Chicken, and Me</b>          Anno, Mitsumasa, <b>Anno's Counting Book</b>          Baer, Edith, <b>This is the Way We Eat Our Lunch</b>          Bang, Molly, <b>Ten, Nine, Eight</b>          Burns, Marilyn, <b>The Greedy Triangle</b>          Chocolate, Debbi, <b>Kente Colors</b>          Crews, Donald, <b>Ten Black Dots (Available in Spanish)</b>          Dale, Penny, <b>Ten in Bed</b>          Deitz Shea, <b>Pegi</b>          Cynthia Weill and Pahn Viet-Dinh, <b>Ten Mice for Tet!</b>          Dodds, Dayle Ann, <b>The Shape of Things</b>          Dunbar, Joyce, <b>Ten Little Mice</b>          Ehlert, Lois, <b>Color Zoo</b>          Ehlert, Louise, <b>Fish Eyes</b>          Emberley, Rebecca, <b>My Numbers/Mis Numeros</b>          Falwell, Cathryn, <b>Feast for 10; Shape Space</b>          Grossman, Virginia, <b>Ten Little Rabbits</b>          Hoban, Tana, <b>Count and See; Shapes, Shapes, Shapes</b>          Keenan, Sheila, <b>More or Less a Mess</b>          Krebs, Laurie, <b>We All Went on Safari: A Counting Journey Through Tanzania</b></p>	<p>Harris, Trudy, <b>Pattern Bugs; Pattern Fish</b>          Lionni, Leo, <b>A Busy Year; Inch by Inch</b>          Martin, Bill, <b>Chicka Chicka 1, 2, 3</b>          Martin, Jr. Bill, and John Archambault, <b>Chicka Chicka Boom Boom</b>          Mora, Pat, <b>Uno, Dos, Tres, One, Two, Three</b>          Moss, Lloyd, <b>Zin! Zin! Zin! A Violin</b>          Murphy, Stuart J., <b>Animals on Board; The Best Vacation Ever; Monster Musical Chairs</b>          Peek, Merle, <b>Roll Over! A Counting Song</b>          Pluckrose, Henry Arthur, <b>Math Counts: Sorting</b>          Reid, Margarette S., <b>The Button Box</b>          Rogers, Paul, <b>The Shapes Game</b>          Roth, Susan L., <b>My Love for You All Year Round</b>          Russo, Marasabina, <b>The Line Up Book</b>          Sloat, Teri, <b>From One to One Hundred</b>          Swinburne, Stephen R., <b>Lots and Lots of Zebra Stripes: Patterns in Nature</b>          Turpin, Lorna, <b>The Sultan's Snakes</b>          Walsh, Ellen Stoll, <b>Mouse Count</b>          Walton, Rick, <b>How Many, How Many, How Many</b>          Wormell, Christopher, <b>Teeth, Tails &amp; Tentacles: An Animal Counting Book</b></p>
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### Suggested Reading List - Pre-KG and KG Literacy

Please note: This is a suggested list to read aloud or have your child read independently. Parents may wish to preview content to ensure appropriateness for their children. **All of the following titles are available in the AISC Library. Call numbers are included below.**

<p>Ahlberg, Janet. (E Ahl) <b>Each Peach Pear Plum: an "I spy" story</b>          Alborough, Jez. (E Alb) <b>My Friend Bear</b>          Bourgeois, Paulette. (E Bou) <b>Franklin and Friends (Series)</b>          Bridwell, Norman. (E Bri) <b>Clifford the Big Red Dog (Series)</b>          Briggs, Raymond. (E Bri) <b>Snowman</b>          Brown, Marcia. (E Bro) <b>Once A Mouse</b>          Brown, Margaret Wise. (E Bro) <b>Goodnight Moon</b>          Burton, Virginia. (E Bur) <b>The Little House (Caldecott Medal)</b>          Cannon, Janell, (E Can) <b>Stellaluna</b>          Capucilli, Alyssa. (E Cap) <b>Biscuit (Series)</b>          Carle, Eric. (E Car) <b>The Very Hungry Caterpillar</b>          Carle, Eric. (E Car) <b>1, 2, 3, to the Zoo</b>          Christelow, Eileen. (E Chr) <b>Five Little Monkeys Jumping on the Bed</b>          Cornwall, Gaia. (E Cor) <b>Jabari Jumps</b>          Dewdney, Anna. (E Dew) <b>Llama Llama Red Pajama</b>          Eastman, P.D. (E Eas) <b>Are You My Mother?</b>          Fleming, Denise, (E Fle) <b>In the Small Small Pond</b>          Fox, Mem. (E Fox) <b>Hattie and the Fox</b>          Emily Gravett. (E Gra) <b>Orange, Bear, Apple Pear</b>          Guarino, Deborah. (E Gua) <b>Is Your Mama A Llama?</b>          Hale, Bruce. (E Hal) <b>Clark the Shark (Series)</b>          Hest, Amy. (E Hes) <b>Baby Duck (Series)</b>          Hoberman, Mary Ann. (E Hob) <b>A House is a House for Me</b>          Hutchins, Pat. (E Hut) <b>The Doorbell Rang</b>          Johnson, Crockett. (E Joh) <b>Harold and the Purple Crayon</b></p>	<p>Keats, Ezra Jack. (E Kea) <b>Peter's Chair</b>          Langstaff, John. (E Lan) <b>Frog Went ACourtin' (Caldecott Medal)</b>          Lobel, Arnold. (E Lob) <b>Frog and Toad All Year (Series)</b>          London, Jonathan. (E Lon) <b>Froggy Gets Dressed (Series)</b>          Marshall, James (E Mar) <b>George and Martha</b>          Martin, Bill and John Archambault (E Mar) <b>Chicka Chicka Boom Boom</b>          Numeroff, Laura Joffe. (E Num) <b>If You Give a Mouse a Cookie</b>          Rey, H. L. (E Rey) <b>Curious George (Series)</b>          Rubin, Adam. (E Rub) <b>Dragons Love Tacos</b>          Seuss, Dr. (E Seu) <b>Green Eggs and Ham</b>          Seuss, Dr. (E Seu) <b>Hop on Pop</b>          Slobodkina, Esphyr. (E Slo) <b>Caps for Sale</b>          Sharmat, Mitchell. (E Sha) <b>Gregory, the Terrible Eater</b>          Taback, Simms. (E Tab) <b>There Was an Old Lady Who Swallowed a Fly</b>          Tafuri, Nancy. (E Taf) <b>Have You Seen My Duckling?</b>          Waber, Bernard. (E Wab) <b>Lyle, Lyle, Crocodile</b>          Waddell, Martin. (E Wad) <b>Owl Babies</b>          Wells, Rosemary. (E Wel) <b>Max's Dragon Shirt</b>          Willems, Mo. (E Wil) <b>Knuffle Bunny (Series)</b>          Winthrop, Elizabeth. (E Win) <b>Shoes</b>          Wood, Audrey. (E Woo) <b>The Napping House</b>          Yolen, Jane. (E Yol) <b>Owl Moon (Caldecott Medal)</b>          Zion, Gene. (E Zio) <b>Harry the Dirty Dog</b></p>
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