



SHELTON BOARD OF EDUCATION

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Dear Students and Guardian(s),

According to research, students lose about 2.6 months of learning in mathematics over the summer. This phenomenon, also known as summer slide, can cause students to start the new academic year with a lower achievement level than where they left off at the closure of the prior year. Most importantly, researchers identify long-lasting effects from summer loss related to lower self-confidence, as well as success in school and college.

The Shelton Public School System has developed a Summer Math Challenge that can easily integrate into your summer plans. The program is designed to be developmentally appropriate for your student based on the grade level they will be entering for the 2019-2020 school year. We recommend scheduling time for your learner(s) to participate in this program.

The importance of spending time with family and enjoying the outdoors also provides valuable learning opportunities. Involvement in authentic experiences allow learners for knowledge transfer beyond the classroom and vice versa. Many daily scenarios provide opportunities for problem solving and reasoning, such as estimating time and cost of travel, doubling ingredients in family recipes, planning and budgeting for home projects, probability in sports and playing board games.

Specific Grade Summer Math Challenge for students in grades K-12, can be found at www.sheltonpublicschools.org under the Teaching and Learning tab.

We hope that you will participate in this year's summer math challenge and help our learners in maintaining and improving their math skills, as well as further develop their confidence in math during the summer.


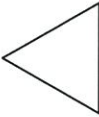
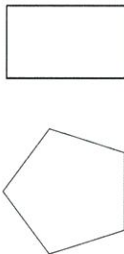
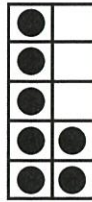


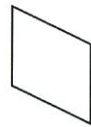
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Keep your skills sharp during the summer!!

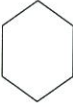
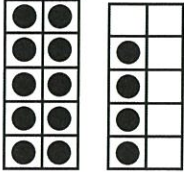

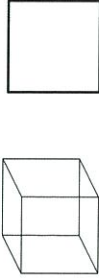
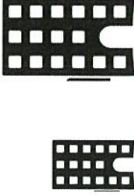
For students entering Grade 1: Your brain is a muscle. You want to keep it growing all year long. Below is a grid of math activities to complete over the summer so that you can continue to practice what you learned in kindergarten. Once you have completed an activity, have a parent or guardian initial each box. Return the completed form to your teacher at the start of the school year to earn a special reward.

Write the names of your family members from shortest to tallest.	How many dots do you see? 	How many vertices (corners) does a triangle have? 	Play a yard game outside. Happy 4th of July!	Tell a friend a story problem for $5 + 2$. What is the sum? $5 + 2 = \underline{\quad}$			
Circle the larger number: 23 54	Draw base-ten blocks to show the number <u>17</u> .	Play a board game or card game with your family.	Circle the shape with fewer sides: 	How many more to make 10? 			
Try a game like basketball, bowling, or mini golf. Help keep score. Who had the most points?	Tell one more and one less. <table border="1" data-bbox="1031 1249 1104 1606"> <tr><td> </td><td>12</td><td> </td></tr> </table>		12		Write all the combinations that make 5	Which is heavier? 	Jump 3 times, once like a bunny, once like a frog, and once like a child. Which jump was the shortest? Longest?
	12						
Draw a line longer than the pencil. 	Write the names of the people in your house. Who has the most letters?	What is the name of this shape? 	Answer: $2 + 3 = \underline{\quad}$ $4 + 1 = \underline{\quad}$	Play "I-Spy": How many shapes can you find in your kitchen?			
Read a book. How many pages did you read?	Count the windows in your house. How many are there?	Play a game that uses dice.	Count out loud from 1-50 with a family member.	Draw a square.			



Keep your skills sharp during the summer!!

For students entering Grade 1: Your brain is a muscle. You want to keep it growing all year long. Below is a grid of math activities to complete over the summer so that you can continue to practice what you learned in Kindergarten. Once you have completed an activity, have a parent or guardian initial each box. Return the completed form to your teacher at the start of the school year to earn a special reward.

<p>Write the numbers 1-10 neatly. Circle the first number and the fourth number.</p>	<p>How many sides does this shape have?</p> 	<p>Answer:</p> $5 + 1 = \underline{\quad}$ $4 + 2 = \underline{\quad}$	<p>Make a picture using 2 circles, 3 triangles, and some rectangles. How many rectangles did you use? _____</p>	<p>Play a yard game outside for 20 minutes. Keep score.</p>
<p>What number do the ten frames show?</p> 	<p>Draw a picture of two things that are longer than your foot and two things that are shorter than your foot.</p>	<p>Tell a friend a story problem for $6 - 3$. What is the difference?</p> $6 - 3 = \underline{\quad}$	<p>Take a walk outside with a family member and count how many birds you see.</p>	<p>Play a board game or card game with your family.</p>
<p>Tell one more and one less.</p> 	<p>Which shape is two dimensional?</p> 	<p>Hit a beach ball back and forth with a friend. Count how many times you can keep it up.</p>	<p>Draws a large circle and a small circle. How are they the same and how are they different?</p>	<p>Answer:</p> $5 + 1 = \underline{\quad}$ $4 + 3 = \underline{\quad}$ $7 + 1 = \underline{\quad}$
<p>Circle the larger number:</p> <p style="text-align: center;">67 43</p>	<p>Answer:</p> $5 - 2 = \underline{\quad}$ $6 - 1 = \underline{\quad}$ $3 - 3 = \underline{\quad}$	<p>Complete the missing numbers:</p> $\underline{\quad}, 6, \underline{\quad}, 8$ $\underline{\quad}, 14, \underline{\quad}, 16$	<p>Circle the building that is the shortest.</p> 	<p>Draw as many different shapes as you can. Tell a family member the name each shape.</p>