



SHELTON BOARD OF EDUCATION

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Dear Students and Guardian(s),

According to numerous research, students lose about 2.6 months of learning in mathematics over the summer. Due to this phenomenon, also known as summer slide, and the impact from COVID-19 it is now more important than ever to keep Math skills sharp. 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 in conjunction with guidance from the Commissioner of Education has put together a program that can be easily integrated into your summer plans. The program is designed to be developmentally appropriate for your student and 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 provides learners the opportunity to transfer knowledge beyond the classroom setting 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 information 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 program and help our learners in maintaining and improving their math skills, as well as further develop their confidence in math during the summer.

Gavriela Ziu-Pires

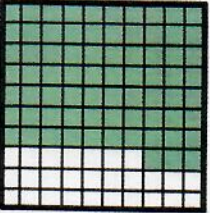
Gavriela Ziu-Pires
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Keep your skills sharp during the summer!!



For students entering Grade 5 : 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 4th Grade. 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>Make three different arrays to show the factor pairs of 16.</p>	<p>Write a decimal for the model:</p> 	<p>What number is 10 more than 4,492? What number is 300 more than 4,830? What number is 500 more than 4,654?</p>	<p>Play a yard game outside. Happy 4th of July!</p>	<p>Free day! Choose an activity of your choice.</p>
<p>Show four different ways to make \$1.56 using coins and bills.</p>	<p>Write down the numbers you see on 2 license plates. Create 4 math problems with these numbers using all 4 operations (+, -, x, ÷)</p>	<p>What number am I? The digits in my number are 3, 8, 4, 1. I am an odd number. I have a 4 in my hundreds place. I am less than 2,000. Now create your own riddle.</p>	<p>Solve. $6 \times 10 =$ $6 \times 100 =$ $60 \times 10 =$</p>	<p>Play a card game or board game.</p>
<p>Practice your division skills within 100 with a friend</p>	<p>I have an area of 48. What might my dimensions be?</p>	<p>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? Create your own number riddle.</p>	<p>Play a game such as: Yahtzee or Mastermind</p>	<p>Solve the riddle: I have 5 in the tenths place, a number greater than 7 in the ones place, have an odd number in the hundredths place. What's the greatest number I could be?</p>
<p>Please put these fractions in order from least to greatest. $\frac{2}{6}$ $\frac{3}{8}$ $\frac{5}{10}$ $\frac{4}{9}$</p>	<p>Which fractions are equal to the decimals below? $0.5 =$ $0.2 =$</p>	<p>If you spend \$100 a day, how many days would it take for you to spend \$10,000?</p>	<p>How many groups of 25 are there in 500? How many 20's are there in 2000?</p>	<p>Jackie volunteers at a food bank. There are 2,846 meals to give away to needy families. Each family is allowed 4 meals. How many families will receive meals? How many meals are left over?</p>



Keep your skills sharp during the summer!!



<p>Is it true that: $\frac{3}{8} + \frac{4}{8} = \frac{7}{8} ?$ Use subtraction to verify this.</p>	<p>Play a card game or board game.</p>	<p>Practice your multiplication to 100 with a friend or a family member today.</p>	<p>Measure the height of furniture pieces to the nearest half inch. For example, the height of a table. Create a line plot to display your data from least to greatest.</p>	<p>If a calculator costs \$36 and a pack of batteries costs \$9, how many times greater is the calculator than the pack of batteries?</p>
<p>Go on a walk and find examples of the lines of symmetry.</p>	<p>What are the missing multiples: 6, <u> </u>, <u> </u>, 24, 30, 36, <u> </u>, 48, <u> </u></p>	<p>If a water bottle holds $\frac{45}{100}$ liters of water, how many water bottles can you fill with $\frac{9}{10}$ liters of water?</p>	<p>Help make dinner or bake a dessert. What fractions did you use to make it? Create an equivalent fraction to each fraction you used.</p>	<p>Solve. $73 \div 2 =$ $61 \div 4 =$</p>
<p>Using an empty milk carton and a measuring cup, determine how many cups make a gallon. How many cups would you need to fill 8 gallons?</p>	<p>Go on an angle hunt and find a right, obtuse, and acute angle around you.</p>	<p>Solve. $32 \times 5 =$ $97 \times 3 =$</p>	<p>Measure the feet and/or paws of people/animals in your house to the nearest half inch. Create a line plot to display your data.</p>	<p>Solve. $56, 839 + 48, 972 =$ $80,000 - 23,481 =$</p>
<p>Over the next 5 days, record the actual high temperature. Make a bar graph of the actual high temperature over these 5 days.</p>	<p>Measure the perimeter of your house to the nearest meter. Draw a picture and try to find the area of your house.</p>	<p>Draw a right triangle with two equal angles. Where do you see this shape around you?</p>	<p>Make a schedule for your morning routine for school (when you wake up, when you shower, etc.) to the nearest minute. Try this routine for the next few days as you get ready to start the new year!</p>	<p>Play a card game or board game.</p>