

Dear Parents,

To better prepare your fourth graders for the fifth grade, we are asking students to complete a summer math project. Attached you will find a tic-tac-toe board of math activities for your child to complete over summer vacation. Student should choose 3 boxes. We ask that parents initial each box to indicate completion. Please use a separate piece of paper to show any work, and do not forget to attach it when you return at the beginning of the next school year. The board and all work are due the first week of school. In addition to the summer math, please have your child practice their multiplication/division facts daily. This can be done, by making flashcards or with an online flash card game. ENJOY your vacation and see you next school year.

Place Value Cards Sort: Create 5 multi-digit whole numbers, up to the hundred-thousand place, and write each one on an index card. For each number, write its expanded form, word form, and standard form on another index card.

Reader's Theater: Write a reader's theater about a fraction family that uses fractions in their everyday lives. The story must include a moral or lesson & describe the use of fractions. You must have between 3 and 5 characters.

Multiplication Facts Practice: Practice multiplication facts by creating flash cards up to the 12 times table. An adult must sign in the spaces below indicating you practiced the multiplication facts!

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

Song, Rap, or Poem: Write a song, rap, or poem that could teach someone how to find the area and perimeter of rectangles. Be sure to include how and why your strategies work, as well as when we would use these in our everyday lives.

Design A Worksheet: Design 2 worksheets; one which reviews adding/subtracting, and one which reviews multiplying/dividing whole numbers. On side 1, include examples, illustrations, and strategies for solving. On side 2, include 8 practice problems, 4 must be word problems. Submit an answer key on a separate sheet of paper for each.

Fraction ABC's book: Use what you have learned about fractions, to create an ABC book of the most important skills and vocabulary. Each page should include the word, definition, and an example of that skill or vocabulary word.

Fractions are Fun! Children's Book: Write and illustrate a children's story, which highlights two math operations using fractions. You must include strategies to solve and examples. This could be in narrative form or a non-fiction text.

Geometry Game: Design a game to review geometry topics such as lines of symmetry, parallel/perpendicular lines, triangles, quadrilaterals, points, lines, and angles. The final project must include game board, directions, and cards/pieces.

PowerPoint or Slides: Research how people use decimals in the real world, or what occupations may need them. Design a PPT or Google Slide, which shows pictures and describes examples of real-world applications of decimals. On the last slide, describe what life would be like without decimals. Include at least 6 slides

Summer Math Think-Tac-Toe Project

Directions: Choose at least 3 boxes to complete. All work is to be turned in at the start of the new school year. Please attach the work to the think-tac-toe board.

<p>Place Value Cards Sort Create 5 multi digit whole numbers, up to the hundred thousand place, and write each one on an index card. For each number, write its expanded form, word form, and standard form on another index card.</p>	<p>Reader's Theater Write a reader's theater about a fraction family that uses fractions in their everyday lives. The story must include a moral or lesson & describe the use of fractions. You must have between 3 and 5 characters.</p>	<p>Multiplication Facts Practice Practice multiplication facts by creating flash cards up to the 12 times table. An adult must sign in the spaces below indicating you practiced the multiplication facts!</p> <p>1. _____ 2. _____</p> <p>3. _____ 4. _____</p> <p>5. _____</p>
<p>Song, Rap, or Poem Write a song, rap, or poem that could teach someone how to find the area and perimeter of rectangles. Be sure to include how and why your strategies work, as well as when we would use these in our everyday lives.</p>	<p>Design A Worksheet Design 2 worksheets, one, which reviews adding/subtracting, and one, which reviews multiplying/dividing whole numbers. On side 1, include examples, illustrations, and strategies for solving. On side 2, include 8 practice problems, 4 must be word problems. Submit an answer key on a separate sheet of paper for each.</p>	<p>Fraction ABC's book Use what you have learned about fractions, to create an ABC book of the most important skills and vocabulary. Each page should include the word, definition, and an example of that skill or vocabulary word.</p>
<p>Fractions are Fun! Children's Book Write and illustrate a children's story, which highlights two math operations using fractions. You must include strategies to solve and examples. This could be in narrative form or a non-fiction text.</p>	<p>Geometry Game Design a game to review geometry topics such as lines of symmetry, parallel/perpendicular lines, triangles, quadrilaterals, points, lines, and angles. The final project must include game board, directions, and cards/pieces.</p>	<p>PowerPoint or Slides Research how people use decimals in the real world, or what occupations may need them. Design a PPT or Google Slide, which shows pictures and describes examples of real-world applications of decimals. On the last slide, describe what life would be like without decimals. Include at least 6 slides.</p>