

Name _____

Tic-Tac-Toe (Math) Project

Due Date _____

Directions: Create a Tic-Tac-Toe! In order to receive full credit, you **must** include the middle square in achieving your tic-tac-toe. All assignments are due no later than Friday, December 5. I'm looking for creative and neat work. Take your time. Do your best. Need help? Ask!

<p style="text-align: center;">SOL 6.5</p> <p>Be able to recite the perfect squares between 1 and 400. When you're ready, let me know. You will have to recite $1^2 = 1$, $2^2 = 4$, $3^2 = 9$,... through $20^2 = 400$! Good Luck! You can do it!</p> <p style="text-align: center;">(25 points)</p>	<p style="text-align: center;">SOL 6.1</p> <p>Create a sort for Ratios. Think of 5 ratio (word problem) examples. Find the answers. Use a table to create the word problem and the matching ratio. Complete this activity on colored paper, construction paper, or cardstock. Make it colorful and neat.</p> <p style="text-align: center;">(30 points)</p>	<p style="text-align: center;">SOL 6.16</p> <p>Create a foldable on Probability. Include the terms: probability, independent, dependent, replaced, not replaced, experimental, certain, impossible, 1/4, 100%, 1/2, 75%. Ensure that the work is legible and colorful.</p> <p style="text-align: center;">(30 points)</p>			
<p style="text-align: center;">SOL 6.16</p> <p>Complete the probability worksheet. Identify independent and dependent events. Find the probability of events taking place.</p> <p style="text-align: center;">(25 points)</p>	<p style="text-align: center;">SOL 6.2</p> <p>Create a foldable involving fractions, decimal, and percents. (Do not copy the example from the 1st Nine Weeks notebook). Be creative! Use typing paper or colored paper. Add color. Make sure it's neat. Use the terms: numerator, denominator, fraction, decimal, tenths, hundredths, percent, and place value to complete your foldable. Include examples and steps.</p> <p style="text-align: center;">(50 points)</p>	<p style="text-align: center;">SOL 6.4</p> <p>Create a sort for multiplication models. Be sure to include the model and the fraction sentence that makes it true. Include 5 different examples.</p> <p style="text-align: center;">(30 points)</p>			
<p style="text-align: center;">SOL 6.1</p> <p>Complete the Ratio Worksheet. Use your rules. Express your ratio answers three different ways.</p> <p style="text-align: center;">(25 points)</p>	<p style="text-align: center;">SOL 6.5</p> <p>Create a sort (matching) for various powers, factors and answers. Include 10 different matches. Your classmates should be able to complete the sort. Use construction paper, colored paper, or cardstock. Complete this activity early and you can have it laminated.</p> <p style="text-align: center;">My compliments! Example: 😊</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td style="padding: 5px;">2^3</td> <td style="padding: 5px;">$2 \times 2 \times 2$</td> <td style="padding: 5px;">8</td> </tr> </tbody> </table> <p style="text-align: center;">Hint: Create a table, insert your examples, and print.</p> <p style="text-align: center;">(30 points)</p>	2^3	$2 \times 2 \times 2$	8	<p style="text-align: center;">SOL 6.2</p> <p>Create a Versatile Activity involving fractions, decimals, and percents. Create 12 questions- You can include simplifying fractions, comparing and ordering fractions/decimals, 10x10 grids, and equivalent fractions, decimals, percents.</p> <p style="text-align: center;">(30 points)</p>
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Earning Credit!

- Reciting Perfect Squares (SOL 6.5)- 3 opportunities to recite the perfect squares (in order). Teacher will call out 1^2 and the student says the answer. This process repeats (in order) through 20^2 . This assignment is worth **25 points**.
- Creating Sorts (SOL 6.1, 6.4, 6.5) - all sorts must be neat, colorful, and accurate. Students will use these activities in class. I am willing to laminate the assignment if students let me know in plenty of time. Sort assignments are worth **30 points**.
- Worksheets (SOL 6.1, 6.16) - All worksheets are graded based on accuracy. Students must show their work and use classroom strategies to complete the work. Worksheets are worth **25 points**.
- Veratiles - (SOL 6.2) Versatiles must be colored tiles (on one side) - 3 different colors. Students must create 12 different questions to complete the activity. The questions should be neatly written or typed. The questions must be accurate. Please feel free to seek assistance from Mrs. Bynum or Mrs. Vann if you have questions. This assignment is worth **30 points**.
- Creating a foldable - SOL 6.2 (**worth 50 points**) - Use colored paper or white typing paper. Assignment must be neat, colorful, and legible. True facts must appear in the foldable as well as examples and step for converting and comparing fractions, decimals and percents. Be sure to include the terms in your foldable. Do not duplicate the foldable from class. Be original! You can do it! This is one of our toughest areas! Please do a Great Job! SOL 6.16 (**worth 30 points**)- Create a foldable that helps you understand the difference between independent and dependent events. Include at least two examples (with pictures) of the two types of events.

SOL 6.1 – Ratios (1st Nine Weeks)

SOL 6.2 - Fractions, Decimals, Percents (1st Nine Weeks)

SOL 6.4 - Models and multiplication/division (1st Nine Weeks)

SOL 6.5 - Exponents and Perfect Squares (2nd Nine Weeks)

SOL 6.16 - Probability - Independent and Dependent (1st Nine weeks)