

# Multiplication and Division Tic-Tac-Toe Menu

**Directions:** Check the boxes you choose to complete. They should form a tic-tac-toe three in a row horizontally, vertically, or diagonally. All products are due by: \_\_\_\_\_

**Bulletin Board Bonanza**

Using poster board, design a teacher's bulletin board that explains or welcomes the concept of multiplication and division. List five different ways multiplication and/or division are used in our everyday lives. Give an example or draw a picture to explain.



**Buddy Building Blocks**

Create a bookmark for a younger student explaining how to multiply and divide compatible numbers. Be sure to include step-by-step directions and examples and or pictures to support your explanation.



**Jingle All the Way!**

When answering word problems, how do you know when to multiply or divide? Write and perform a jingle for a commercial or a public service announcement intended to help others know when to solve for each operation.



**Test Your Memory**

Construct a Multiplication and Division Memory Game. The matches should be the product, quotient, or bar diagram representation and the word problem.



**"I Have...Who Has?"**

Create an "I have...Who has..." card game that helps you learn multiplication or division facts. The top of the card should say "I have the product or quotient \_\_\_\_\_." The bottom of the card should ask a multiplication or division question (not related to the top statement) that would lead to the next card, "I'm an array with the dimensions of 7 by 8. Who am I?" The cards should be linked together with one clue each.

**Vote for Me!**

What is your favorite strategy for solving a multiplication problem? Create a campaign poster to convince others to use your chosen method. Make sure others know why they should "vote" for your method.



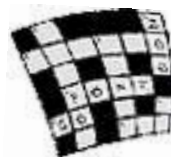
**Rah! Rah! Remainders**

You do different things with remainders, based on the situation. Sometimes, it means you get one more, and sometimes it means the quotient stays the same. Create a cartoon or comic strip in which a person made the wrong choice about what to do with the remainder. Was someone left out? Was something torn into pieces that shouldn't have been?



**Crossword Craze**

Make a crossword puzzle using the following vocabulary words: *divisor*, *dividend*, *quotient*, *factor*, *multiple*, *product*, *inverse operation*, *fact family*, *partial product*, *array*, *equation*, *each*, and *how many*. Be sure to include definitions in the clues.



**Mathematical Magic School Bus**

Write and illustrate your own *Magic School Bus* book about the world of multiplication, division, and the need for estimation. Be sure to include the universal language of multiplication and division.



# Multiplication and Division Tic-Tac-Toe

## Expectations and Grading Rubric

<p><b>Bulletin Board Bonanza</b></p> <ul style="list-style-type: none"> <li>• Should be the size of a standard poster board</li> <li>• Includes at least 5 different examples of how multiplication or division are used in our everyday lives</li> <li>• Must have catchy and creative title</li> <li>• Must contain both words and pictures</li> <li>• Must be colorful and neat</li> </ul>	<p><b>Buddy Building Blocks</b></p> <ul style="list-style-type: none"> <li>• At least 8.5" x 11" paper cut in half vertically</li> <li>• Must include words, pictures, and examples</li> <li>• Must provide definition and explain meaning of compatible numbers</li> <li>• Can be completed on the computer</li> <li>• Must be colorful and neat</li> </ul>	<p><b>Jingle All the Way!</b></p> <ul style="list-style-type: none"> <li>• Must be 1-3 minutes in length</li> <li>• Script must be written and turned in before commercial is presented</li> <li>• Multiplication and Division strategies must be included</li> <li>• You may complete with a partner</li> </ul>
<p><b>Test Your Memory</b></p> <ul style="list-style-type: none"> <li>• At least 20 index cards (10 matching sets)</li> <li>• At least 5 of the word problems need to have multiple steps in order to answer correctly.</li> <li>• All answer cards need to include the answer in numbers or picture form and the corresponding bar diagram</li> <li>• Include a complete set of rules for playing the game and answer key</li> </ul>	<p><b>"I Have...Who Has?"</b></p> <ul style="list-style-type: none"> <li>• At least 30 index cards</li> <li>• Each card should include "I have the product or quotient of _____." at the top.</li> <li>• Each card should ask a multiplication or division question that would lead to the next card (not related to the top statement) "Who has _____?"</li> <li>• The cards should be linked together with one clue each.</li> </ul>	<p><b>Vote for Me!</b></p> <ul style="list-style-type: none"> <li>• Should be the size of a standard poster board</li> <li>• Must persuade voters to vote for your multiplication method of choice</li> <li>• Must have catchy and creative slogan</li> <li>• Must contain words, pictures, and example problems.</li> <li>• Must be colorful and neat.</li> </ul>
<p><b>Rah! Rah! Remainders</b></p> <ul style="list-style-type: none"> <li>• At least 8.5" x 11"</li> <li>• Should have at least 6 cells or boxes</li> <li>• Must have meaningful dialogue that demonstrates your understanding of what to do with leftover remainders</li> <li>• Must include color and be neat</li> </ul>	<p><b>Crossword Craze</b></p> <ul style="list-style-type: none"> <li>• Should include all words listed</li> <li>• Develop appropriate clues for each word</li> <li>• Include puzzle and answer key</li> </ul>	<p><b>Mathematical Magic School Bus</b></p> <ul style="list-style-type: none"> <li>• Must be neatly written or typed</li> <li>• Must be appropriate length and demonstrate your understanding of multiplication and division</li> <li>• Include multiplication and division vocabulary</li> <li>• Include words and pictures.</li> <li>• Must include color and be neat</li> </ul>