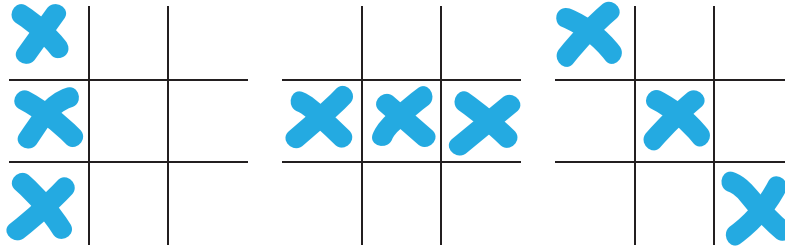


Multiplication Facts Tic-Tac-Toe

Object of the Game

Be the first player to claim 3 spaces in a row, column, or on the diagonal to win the game.



Three ways to win!

Materials

- Multiplication Facts Tic-Tac-Toe Board
- Paper to create a shared tic-tac-toe record sheet
- 2 different color pens, pencils, crayons, or markers

Skills

This game helps us practice:

- Multiplication facts

How to Play

1. Draw a large tic-tac-toe grid on a sheet of paper.
2. Each player chooses a different color pen, pencil, or marker.
3. Players take turns choosing a space on the Multiplication Facts Tic-Tac-Toe Board and recording their response in the corresponding space on the record sheet.
4. The first player to claim 3 spaces in a row, column, or on the diagonal wins the game.
5. Have fun!

Tips for Families

- Review the meaning of *odd*, *even*, and *digit*. The free Math Vocabulary Cards app can help: www.mathlearningcenter.org/resources/apps/math-vocabulary-cards.
- As you play, talk about why you are choosing each space as you claim it.

Change It Up

Making even small changes to a game can invite new ways of thinking about the math. Try making one of the changes below.

- Invite your child to create a new tic-tac-toe board with new product requirements.
- Write 2 equations to claim a space.

Multiplication Facts Tic-Tac-Toe Board

Write a multiplication fact for the described **product** (answer or result of multiplying 2 or more factors). Use one-digit numbers as **factors** (numbers that are being multiplied together).

An equation that has a product with a 5 in the ones place.	An equation that has a product with two even digits.	An equation that has a product with a 3 in the tens place.
An equation that has a product with the tens digit greater than the ones digit.	An equation that has an odd product.	An equation that has a product with the ones digit greater than the tens digit.
An equation that has a product with digits that have a sum of 9.	An equation that has a product with two odd digits.	An equation that has an even product.

Sample Responses

3×5 15	6×8 48	8×4 32
9×8 72	7×5 35	7×7 49
3×9 27	7×3 21	7×6 42

Red wins!