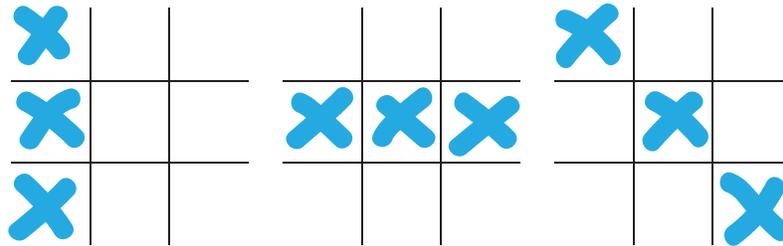


Money Tic-Tac-Toe

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

- Money Tic-Tac-Toe Board 1 or 2
- Paper to create a shared tic-tac-toe record sheet
- 2 different color pens, pencils, crayons, or markers
- Real or pretend coins (optional)

If you have coins around your house, you can use real money to help you count and solve the problems. You can also make some pennies, nickels, dimes, or quarters by cutting circles out of cereal or cracker boxes or any kind of paper. Write the value of the coin on each circle.



Skills

This game helps us practice:

- Identifying pennies, nickels, dimes, quarters, and dollars
- Knowing the value of pennies, nickels, dimes, quarters, and dollars
- Solving word problems about money
- Using \$ and ¢ symbols
- Counting by 100s, 10s, 5s, and 1s
- Solving double-digit addition problems

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, crayon, or marker.
3. Players agree to play with Money Tic-Tac-Toe Board 1 or Board 2.
4. Players take turns choosing a space on the Money Tic-Tac-Toe Board. For each turn, they read the prompt in that space and record their response in the corresponding space on the record sheet. They won't draw X's or O's — instead, they can color or shade in the space they are claiming.
5. The first player to claim (shade or color in) 3 spaces in a row, column, or on the diagonal wins the game.
6. Have fun!

Tips for Families

- Before you play, talk about the coins. *Can you name the coins? How much are they worth? Did you learn these rhymes at school?*

<p>PENNY</p> <p>Penny, penny, Easily spent. Copper brown and worth one cent.</p>  <p>1¢</p>	<p>NICKEL</p> <p>Nickle, nickel, Thick and fat. You're worth five cents, I know that.</p>  <p>5¢</p>	<p>DIME</p> <p>Dime, dime, Little and thin. I remember, you're worth ten.</p>  <p>10¢</p>	<p>QUARTER</p> <p>Quarter, quarter, Big and bold. You're worth twenty-five I am told.</p>  <p>25¢</p>
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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.

- Change the amounts so they are appropriate for your child's skill level. If 87¢ is difficult to show with coins, try 25¢. If showing 87¢ is an easy task, try \$2.87.
- Invite your child to create a new tic-tac-toe board by having them draw pictures for coins or write a money story problem to solve.
- Want to learn more about money? Try the MLC Money Pieces app at apps.mathlearningcenter.org/money-pieces.
 - » Write your own money story problems.
 - » Learn about other coins and dollars.

Money Tic-Tac-Toe Board 1

<p>Draw or write two ways to make 87 cents using coins.</p>	<p>Draw or write two ways to make 48 cents using coins.</p>	<p>Demetrius has 30 cents. What coins could he have?</p>
<p>Show this number sentence using coins: $25 + 15 + 80$</p>	<p>Make a picture showing how much each US coin is worth. Include a dollar bill, too!</p>	<p>Draw or write one way to make \$2.25 with bills or coins.</p>
<p>Invent your own coin. How much is it worth? If you have 3 of them, how much do you have?</p>	<p>Draw or write three coins that equal 60 cents.</p>	<p>Brett has 2 quarters, a dime, a nickel, and 3 pennies. He needs 70 cents. How much more or less does he have?</p>

Money Tic-Tac-Toe Board 2

Each shape has a value from one to ten cents.

Use the shape key below to create a drawing for each tic-tac-toe square.

Draw

a picture worth 23 cents	a picture worth 48 cents	a picture worth 11 cents
a picture worth 76 cents	a picture worth \$2.30	a picture worth 99 cents
a picture worth 35 cents	a picture worth \$1.25	a picture worth \$2.00

