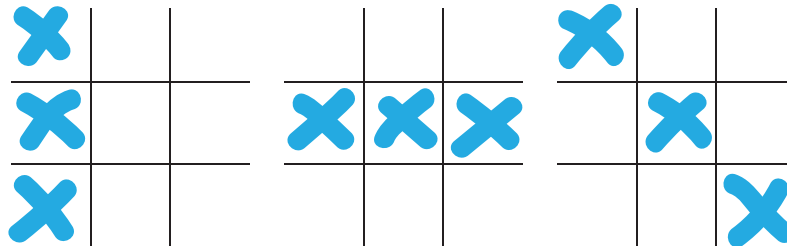


Pennies & Nickels Tic-Tac-Toe

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

- Pennies & Nickels Tic-Tac-Toe Board
- 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 and nickels 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:

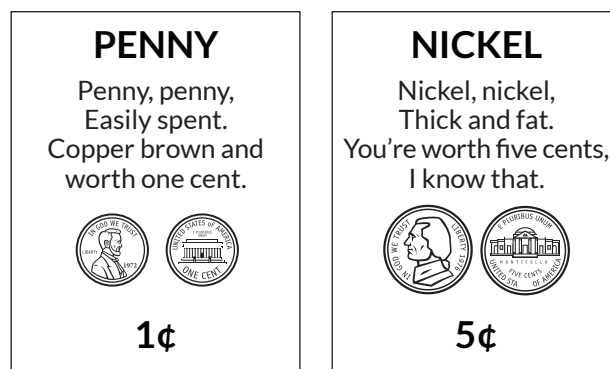
- Identifying pennies and nickels
- Knowing the value of pennies and nickels
- Counting by 5s and 1s
- Counting on from 5
- Counting within 20
- Combinations within 10

How to Play

1. Draw a large tic-tac-toe grid on a sheet of paper.
2. Decide which player will be Xs and which will be Os.
3. Each player chooses a different color pen, pencil, crayon, or marker.
4. Players take turns choosing a space on the Pennies & Nickels Tic-Tac-Toe Board, answering the question or naming the amount, and recording either an X or an O on the corresponding space on the record sheet.
5. The first player to claim 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?*



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 using pennies, nickels, and dimes, by having them draw pictures for coins or write a money story problem to solve.
- Want to learn more about money? Try the free Money Pieces app, available at www.mathlearningcenter.org/apps/money-pieces.

Pennies & Nickels Tic-Tac-Toe Board

What is the total?



Show the same total with a different number of coins.



I have 5 pennies. How many more do I need to have 7¢



Show this number sentence using coins:

$$5 + 1 = \underline{\quad}$$

What is the total?



Draw or write one way to make 20¢

I have 2 nickels. How many more do I need to have 15¢



What is the total?



What is the total?

