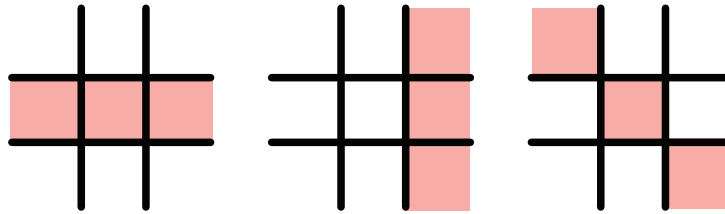


# Be the Math Teacher Tic-Tac-Toe

## 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

- Be the Math Teacher Tic-Tac-Toe Board  
*Keep the board visible on a computer or mobile device as you play. It's not required to print it out.*
- Paper to create a shared tic-tac-toe record sheet
- 2 different color pens, pencils, crayons, or markers

## Skills

This game helps us practice:

- Generating and solving addition and subtraction story problems within 20
- Using addition and subtraction strategies to solve problems within 20
- Recognizing quantities of objects without counting each one

## 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 take turns choosing a space on the Be the Math Teacher Tic-Tac-Toe Board. For each turn, they ask a math question about the picture in the space and record 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. If you play more than one game, ask a different question about each space you choose in the next game.
6. Have fun!

## Tips for Families

Before you play:

- Talk with your child about what they see in the spaces on the tic-tac-toe board.

As you play:

- Don't be surprised if a student has difficulty thinking of questions. It takes practice to ask a question rather than tell a story. Take the student's idea and help them turn it into a question, if needed.
- Instead of drawing Xs and Os to claim a box, players will record answers to their questions. Remember to use a different color pencil or crayon to help you keep track of claimed boxes.

## 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.

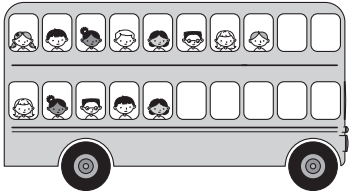
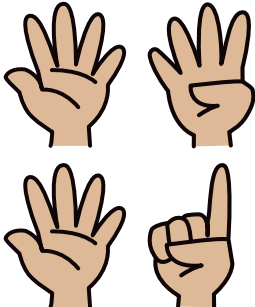
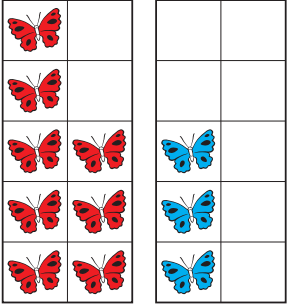

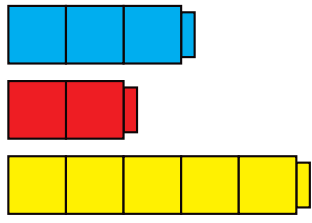
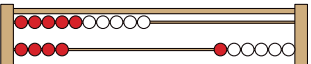
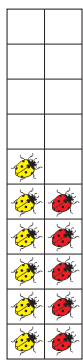


- Try having Player 1 choose a space. Then have Player 2 ask a question about the space. Player 1 must answer the question in order to claim the space.
- Instead of asking a math question, think of a math story problem for a space before claiming it.
- If it seems appropriate, ask 2 questions to claim a space.
- Invite your child to create a new tic-tac-toe board by having them draw pictures for each square.
- Make a new tic-tac-toe board that only has numbers in the spaces. What question could you ask with the number in the space as the answer?

# Be the Math Teacher Tic-Tac-Toe Board

Be the math teacher.

Ask a math question about the picture.

Then answer your question.

# Sample Responses

Math questions and solutions will vary.

<p>How many more children on the top level than children on the bottom level?</p> <p><math>8 - 5 = 3</math></p> <p>3 children on the top level</p>	<p>How many fingers in all?</p> <p><math>9 + 6 = 15</math></p>	<p>How many wings?</p> <p>2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 wings</p>
<p>How much money is 1 dime and 3 pennies?</p> <p>10, 11, 12, 13</p> <p>13 cents</p>	<p>How many cubes in all?</p> <p><math>3 + 2 + 5 = 10</math></p> <p>10 cubes</p>	<p>How many beads on the left?</p> <p>5 and 5 makes 10 and 4 makes 14.</p> <p>14 beads</p>
<p>How many ladybugs?</p> <p><math>6 + 5 = 11</math></p>	<p>How many more beetles to get 10?</p> <p><math>7 + 3 = 10</math></p> <p>3 more beetles</p>	<p>How many frogs?</p> <p><math>8 + 8 = 16</math></p> <p>16 frogs</p>