



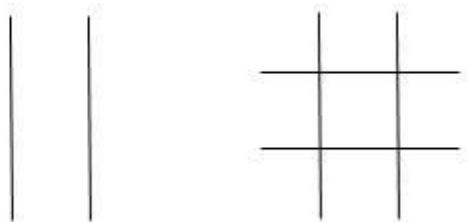
(Rough sketch – design phase)

Instructions:

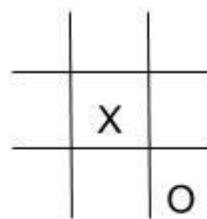
You have just learned how to play TicTacToe. Find a partner and play 10 games of TicTacToe. For each game, draw the TicTacToe grid. Remember, it is two horizontal (left to right) lines crossed with two vertical (top to bottom) lines. Take turns playing first. Person playing first writes Xs, the other one writes Os. After each game, answer the questions. In the end, add up the data you have collected and answer the final set of questions.

Let's get some practice first.

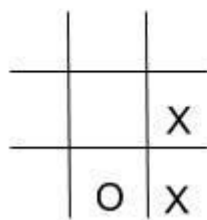
First draw a grid as show below: two lines from left to right, then two lines crossing from top to bottom.



Practice game 1: We have filled some X and Os already... It is X's turn to play. Finish the game.



Practice game 2: We have filled some X and Os already... It is O's turn to play. Finish the game.





Problem Solving / Tic Tac Toe
Work Sheet: 01-PS-06-WS



Now you are ready to play on your own. Good luck!

Game 1: Did anyone win?
Is Winner X or O?
Was the first move a corner, center or edge space?

Game 2: Did anyone win?
Is Winner X or O?
Was the first move a corner, center or edge space?

Game 3: Did anyone win?
Is Winner X or O?
Was the first move a corner, center or edge space?

Game 4: Did anyone win?
Is Winner X or O?
Was the first move a corner, center or edge space?

Game 5: Did anyone win?
Is Winner X or O?
Was the first move a corner, center or edge space?

Game 6: Did anyone win?
Is Winner X or O?
Was the first move a corner, center or edge space?

Game 7: Did anyone win?

Name:

Class:

Div:

Roll. No:



Problem Solving / Tic Tac Toe
Work Sheet: 01-PS-06-WS



Is Winner X or O?

Was the first move a corner, center or edge space?

Game 8: Did anyone win?

Is Winner X or O?

Was the first move a corner, center or edge space?

Game 9: Did anyone win?

Is Winner X or O?

Was the first move a corner, center or edge space?

Game 10: Did anyone win?

Is Winner X or O?

Was the first move a corner, center or edge space?

Total Number of Games where someone won:

Total Number of Games where no one won (draw):

Total Number of Games where first move was a corner space:

Total Number of Games where first move was the center space:

Total Number of Games where first move was an edge space: