**TIC-TAC-TOE PRODUCTS**

**Math Concepts Covered:** Multiplication fact practice
**Materials:**[Template](http://www.cuppacocoa.com/wp-content/uploads/2014/06/Tic-Tac-Toe-Products-Game-Board.docx), two sets of colored game pieces (bingo chips, beans, colored paper squares, etc.), two paper clips
**# of Players:**2
**Grades:**3-6

**OBJECT OF THE GAME:**Get four in a row!

**HOW TO PLAY:**

1. Divide the game pieces up so each player has one color.
2. Player 1 places both paperclips over two numbers on the bottom of the board. She then places her game piece over the *product* of those two numbers. For example, paperclips at a 3 and a 6 means she uses her game piece to cover the 18 on the playing board.
3. Player 2 moves *one* of the paperclips to create a new product. For example, he can move the paperclip from the 3 to the 5. The product of 6 x 5 is 30, so he will use his game piece to cover up the square that says 30.
4. It is now Player 1's turn again. She moves *one* of the paperclips to create a new product, and covers up her new square. In this example, she moved the 6 to the 5. She is multiplying 4 x 5 to get 20.
5. Continue in this fashion until someone gets four in a row.

**FAQ**

Q: Can I stack two paperclips on top of each other, like 6 x 6?
*A: Yes.*

Q: Can I make four in a row going horizontally, vertically, or diagonally?
*A: Yes.*

Q: Can I cover someone else's game piece on the board?
*A: No. Once a product is covered, it is gone. You cannot cover it again.*

Q: Can I move both paperclips in one turn?
*A: No.*

**Tic-Tac-Toe Products**

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| --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** |
| **7** | **8** | **9** | **10** | **12** | **14** |
| **15** | **16** | **18** | **20** | **21** | **24** |
| **25** | **27** | **28** | **30** | **32** | **35** |
| **36** | **40** | **42** | **45** | **48** | **49** |
| **54** | **56** | **63** | **64** | **72** | **81** |

**1 2 3 4 5 6 7 8 9**