

# The Big Bad Zombie

## Multiplication and Division Basic Facts



### 3.OA.7 (Fluently Multiply and Divide within 100) 4.OA (Factors and Multiples)

#### You Need

- two players
- paper and pencil, 2 different colored markers or crayons, 1 for each player

#### How to Play

Write the numbers 1 to 6 in a horizontal row. You (Player A) will play against The Big Bad Zombie (Player B). Every time it is your turn, you can cross out any number on the list, as long as at least one factor of that number has not been crossed out yet. When you cross out your number The Big Bad Zombie gets to cross out all of the factors of that number that have not been crossed out yet. For example, if you cross out a 4, The Big Bad Zombie crosses out 1 and 2 since those are the factors of 4 that are left. The Big Bad Zombie must get something every time, which means you cannot choose a number if no factors of the number remain on the list. When no number on the list has any factors left, the game is over. The Big Bad Zombie gets all the numbers that are left on the list. Add all your numbers together and the largest sum wins.

#### Variation

Try with the numbers 1–10, 1–12, or 1–24. Can you find a winning strategy for any string of numbers?