

## A Pyramidal Dice Game

A pyramidal die has four sides, numbered 1 through 4. The number that is rolled is shown upright. Roll two pyramidal dice. If the sum of the two dice is 2, 3, 7, or 8, Player A gets one point (and player B gets 0). If the sum is 4, 5, or 6, Player B gets one point (and Player A gets 0). Continue rolling the dice. The first person to get ten points is the winner. (1) Is this a fair game? Why or why not? (2) Play the game with a partner. Do the results of playing the game support your answer? Explain. (3) If you think the game is unfair, how could you change it so that it would be fair?