

Your friend and you play a game with the following rules: If one of you says an integer  $n$ , the other then says an integer of their choice between  $2n$  and  $3n$ , inclusive. Players alternate turns. Whoever first says 2009 or greater loses the game, and their opponent wins. You must begin the game by saying a positive integer less than 10. For which single digit first number can you guarantee a win?