

Mathematical Puzzles, Games and Other  
Diversions  
Day 2

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More Knights and Knaves

Remember that Knights ALWAYS tell the truth and Knaves ALWAYS lie.

1. You encounter two islanders (A and B). A says "At least one of us is a knave." What are A and B?
2. You see three islanders (A,B, and C) come toward you. A says "None of us is a knight" while B says "Exactly one of us is a knight." What can we deduce?
3. Again you see another three islanders (A, B and C). This time A says "All three of us are knaves." and B says "Exactly one of us is a knave." What can you say about each of the islanders?

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Let's Play

**Tic Tac Toe:** You know the rules.

**The Game of 21:** To start, player 1 chooses a number from 1 and 3. Then player 2 adds a number from 1 to 3 to player 1's number to create a new total. This continues until the total reaches 21. Whoever gets to 21 is the winner.

**Inverse Tic Tac Toe:** The only difference from the regular game is that you win if your OPPONENT is the first to get 3 in a row.

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