inside $+ x = \div$ mathematics

Inside Problem Solving

First Rate

Level A

Dylan and Austin are brothers. They play a racing game on the stairs. They jump, landing on two feet, as they race up the staircase. When Austin jumps, he lands on each step. When Dylan jumps, he skips a step and lands on every other step.

- 1. Who has to take more jumps to get to the top of the stairs? How do you know?
- 2. When Dylan jumps up the staircase, how many jumps does he make?
- 3. When Austin jumps up the staircase, how many jumps does he make?
- 4. If Austin and Dylan each took 5 jumps, who would be farthest up the stairs?
- 5. At the end of the race, who took fewer jumps?
- 6. Who do you think won the race? Explain your answer.

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