

A teacher instructs ten students to stand in a circle, take a coin from their pockets, and flip it.

Without looking at the flips, the teacher asks for a student whose neighbors both flipped heads to step forward.

One of these students steps forward. Naturally, the teacher believes this student's chances of having flipped heads to be 50-50. Is the teacher correct?

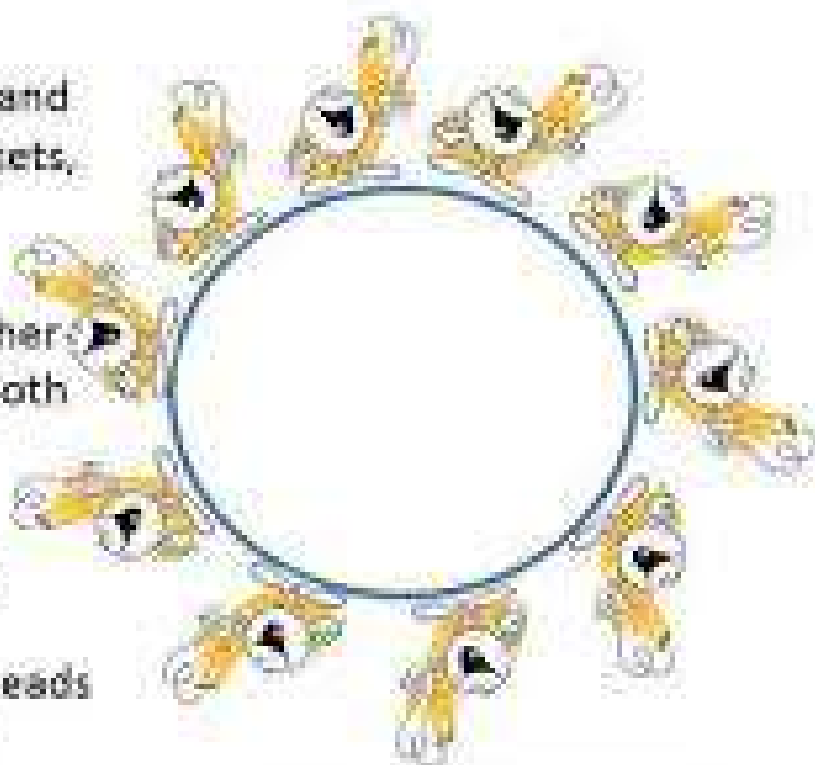


Image source: <http://www.istockphoto.com> (2012) for Curious Labs LLC