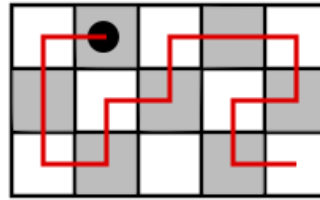
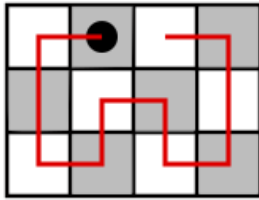


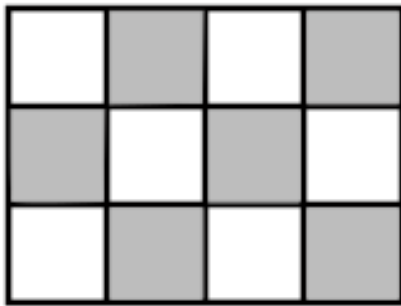
Puzzle of the Week

Paths on Checkerboards

The first 3 by 4 checkerboard has a path that visits every square starting at the black dot. The second 3 by 5 checkerboard has no path that visits every square starting at the black dot.



THE CHALLENGE: For these two checkerboards, identify which starting positions will begin paths that visit every square in the board and which ones do not. What is the difference?



EXPLORATION: Create some other sizes of checkerboards and try various starting positions on these. Do you see any patterns for which starting positions work on each board?