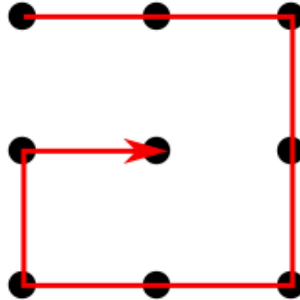


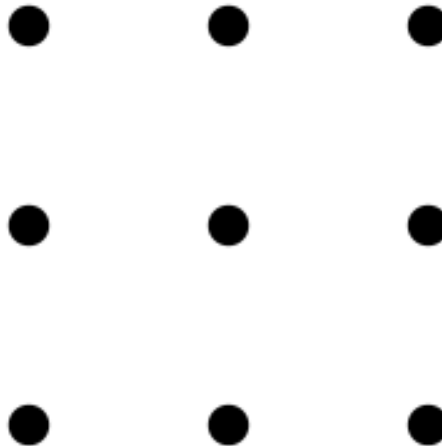
## Puzzle of the Week

### *Lines – 2*

Here is a 3 by 3 array of dots. Five connected line segments have been drawn in a path that goes through all nine points.



**THE CHALLENGE:** Find **four** connected line segments that create a path that goes through all nine points.



**EXPLORATION:** Play around with other grids and discover shortest paths that go through all the points.

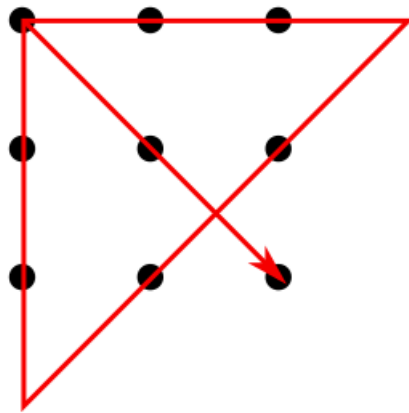
## Puzzle of the Week

### *Lines – 2 – Notes*

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**THE CHALLENGE:** The key to answering this puzzle, and the next one with a 3 by 3 grid, is to think outside the “box.” The temptation in these puzzles is to think that the world of the puzzle is contained within the grid of points.

Here is the solution:



**EXPLORATION:** These are fun geometry puzzles and I am not aware of a general strategy of path creation that is associated with them.