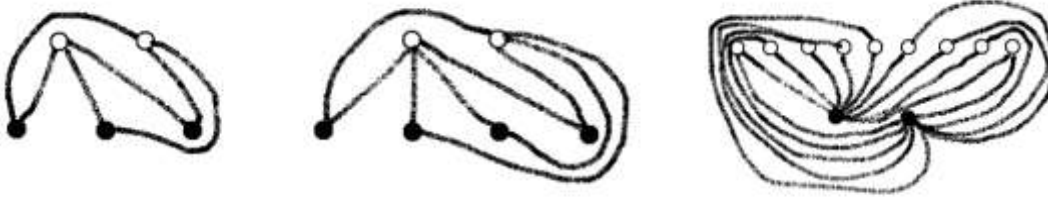


# MORE WITHOUT WORDS

*Mathematical Puzzles to Confound and Delight*



## MWW 26: SOLUTION



It is a known result in mathematics (in the topic of *graph theory*) that it is impossible to connect each of the three white dots to each of three black dots in the plane with curved segments that do not intersect. But, surprisingly, the result can be accomplished on the surface of a donut!



For a proof of the impossibility of the planar task, see my chapter 15 of *THINKING MATHEMATICS! Vol 1: Arithmetic = Gateway to All*, available at [www.lulu.com](http://www.lulu.com).