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Mysore s Jagadish* (mjagadish@mail.barry.edu), Department of Math and C.S, Barry University, 11300,N.E.2nd Avenue, Miami Shores, FL 33161. *Euler's proof for the value of the zeta function in a class room M.S.Jagadish, Barry University, Miami Shores.*

This result of Euler for the values of $Z(s)$ when s is even is as interesting as it was during his time. While the proof is not very simple, it is possible to present it in a class room with some careful preparation. Looking at this proof as Euler developed his ideas is interesting, important and istructive. A historical discussion along with a brief presentation of the proof are given. (Received September 14, 2000)