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Michael A. Furuto*, mfuruto@hawaii.edu. *An Analysis of 3 point shooting in the NBA, NCAA, and Olympics*. Preliminary report.

Engaging students in real-world problems is integral to developing their comprehension and appreciation of math. In the world of sports, math is ubiquitous, and participants will explore sports applications of 3 point shooting at different levels of basketball (NBA, NCAA, and Olympics). Content covered will include statistical and data analysis, problem solving, and the connection between math and basketball. The purpose is to share pedagogical approaches that have been effective, which can potentially lead to deepening student conceptual understanding, increasing procedural fluency, and solidifying skill proficiency. (Received September 20, 2016)