

1096-B5-1457

Edwin O'Shea* (osheaem@jmu.edu), Dept. of Mathematics & Statistics, James Madison University, MSC 1911, Harrisonburg, VA 22807. *The Utility and Practice of the Daily Quiz.*

Even in this modern era where homework solutions can be found, bought and sold on the internet, the process by which a student engages with mathematics through regular homework is still thought to be a crucial axis in the student's success in a course. In this context, we argue that homework should still be submitted by the student but instead of a thick ream of dog-eared paper it can instead take the form of a very short daily quiz where the questions are taken directly from the assigned homework.

What distinguishes our daily quiz from being only an assessment tool is that it acts as a pedagogical gun on the wall. Typical weekly quizzes last 20 minutes with the remaining class time being breathlessly spent on introducing a new section. With the five minute daily quiz, questions can be chosen every day so that the content of the short quiz feeds directly into the topic to be discussed that day. In short, class meetings with a daily quiz obey Chekhov's principle: if there is a gun on the wall it must go off.

Lastly, the daily quiz also keeps the student honest and invested in their homework. Practical tips for effective implementation and timely grading of said quizzes will be provided. (Received September 15, 2013)