1167-11-60 Isaac Armando Reiter* (ireit426@live.kutztown.edu), PA, and Ju Zhou. What You Have Leftover is Perfect: Enumerating the PSR Divisors.
There are certain positive integers that, when divided into any perfect square, always yield a remainder that is a perfect square. For example, when 12 is divided into a perfect square, the remainder is $0,1,4$, or 9 . We will refer to these numbers as PSR divisors. In this talk, the presenter will first demonstrate how to prove that a number is a PSR divisor. Then, he will show that there are only eight PSR divisors among the positive integers. (Received February 13, 2021)

