

1135-O5-1975 **Brandt Kronholm*** (brandt.kronholm@utrgv.edu), University of Texas Rio Grande Valley,
Department of Mathematics, 1201 W. University Dr., Edinburg, TX 78539. *An Invitation to
Integer Partitions.*

In this talk I will discuss how I introduce students to integer partitions and the variety of mathematical techniques used to study them. While my main intent is to lay the foundation for the possibilities of undergraduate research, variations of this lesson may be appropriate for an elementary number theory course or a mathematics-for-liberal-arts-majors course.

The entryway to the study of integer partitions is wide open. Another goal of this talk is to share how I invite students from every level, undergraduates in particular, to engage in meaningful number theory research. (Received September 25, 2017)