We discuss two studies using cumulative assignments in college mathematics courses. The first study using cumulative exam problems on midterm exams to see how this influences final exam scores. The second study using cumulative homework problems. Additionally, students were split into the categories of low-scorers and high-scorers based on their first test score, prior to the intervention. Low-scoring students saw more benefits than the high-scoring students. (Received September 25, 2018)