

## Sports:

1. According to the Jennings athletic handbook, a student may not participate in a competition/event if they currently are at or below a 59% in two or more courses. Your friend's current grades in math and history are Ds. You are about to have tests in both these classes, so your friend is worried that his grades may drop. If he anticipates his grade dropping 5 percentage points in both classes, write an inequality for the starting percentage,  $p$ , that he must have in these classes in order to remain eligible.
2. The National Basketball Association (NBA) has recently discussed salary caps for the upcoming season. For the 2017-2018 season, coaches can spend at most 99 million dollars on their athletes. If Kevin Durant maintains his salary of 26.54 million dollars, what is the possible range of money,  $m$ , in millions that the Golden State Warriors coach can spend to pay the rest of the team?
3. The NCAA has thousands of student-athletes. On average, there are at least 25 student-athletes on a team. At least how many NCAA students,  $s$ , are there if they are split among 19,000 teams?
4. Most Division I athletes practice a minimum of 30 hours per week. If each daily practice lasts 5 hours on average, write an inequality for the minimum number of days in the week,  $d$ , that practices are held.