

## GRAB A GRAM

**Description:** Teams will cooperate to pick up fifty (50) grams of two different sets of material. There will be two rounds using different substances (preferably different densities) in each round.

Number of Participants: 2

Approximate Time: 60 minutes

### The Competition:

1. Each team member must pick up some of the given material and place it in the provided container for delivery to the judges for massing. This must occur during both rounds of the competition. The material could be sand, paper clips, cereal, packing peanuts, beans, rice, etc.

### Scoring:

1. The total mass of the sample (mass of the substance plus the container) from each team becomes its score if the mass is 50 or under. Samples will be massed to the nearest tenth of a gram. Those samples over fifty grams will have that amount over 50 subtracted from 50. The lowest possible score per round is 0, so if a team is more than 50+, they will not have a minus score.
2. The two team scores will be combined to determine a winner. A perfect score at the end of two rounds would be 100.
3. In the unlikely event of a tie, the team with the best single score could be declared winner.

### Sample Scores:

Masses between 1-50 equal that number (e.g.,  $37 = 37$ ) Masses over 50 are subtracted from 50, so  $62 = 38$  ( $50-12$ )

Masses over 100 = 0 (as 102 is 52 over 50, which would equal -2, except a negative score is not allowed.)