

Make a Pound (or Kilogram)

Hold the 1-pound weight provided first. Then, take turn to create a bag that will weigh about 1 pound. After everyone in your group made their 1-pound bag, weigh each bag using the scale provided. The person whose bag is the closest to 1 pound is the winner.

Discussion, Suggestions, Possible Solutions

Materials: play sand, plastic bags, scale (customary unit and/or metric), weights

As with the previous task, the task is written only with the unit of pound. However, it is very important that the task is repeated with other units, such as ounce and kilogram.

This task may be completed in groups of 4 – 6.

Alternatively, you may repeat this process several times, each time recording the difference between the weight of their bags and 1 pound (or kilogram). The student who has the smallest total error is the winner.

As with the previous task, you may want to change the target weights to include something other than a unit, for example, 5 pounds or 5 kilograms.

Extension:

As an extension of this task, you may have students make other weights that might have special meaning for them, for example, how much they weighed when they were born.