

Lab Moles 1

It's the Beans That Count ! (Analogy for the mole concept)

In this activity you will be introduced to a new measuring unit

Materials (per group)

Popcorn kernels
Pinto beans
Lima beans
Triple beam balance

Procedure

1. Copy the following data table in your notebook.

Item	Number of items in 1 P.C. U	Mass of 1 P.C.U
Popcorn kernels		
Pinto beans		
Lima beans		

- 2 Weigh out exactly 5.0 g of popcorn kernels on the balance.
- 3 Count out how many popcorn kernels there are in 5.0 g of popcorn kernels. Record this number in the data table. This number of popcorn kernels is one popcorn unit, or 1 P.C. U.
- 4 Count out 1 P.C. U of pinto beans. Do the same for the Lima beans. Record these numbers in the data table. (Hint: The number of each type of seed should be the same as the number of popcorn kernels in 5.0 g of popcorn kernels)
- 5 Find the mass of 1 P.C. U of pinto beans and Lima beans. Record these numbers in data table.

Questions