Name Date

## Estimate-Measure-Estimate

You will measure similar items, as listed below. Please follow these steps:

* 1. Before measuring, write your estimate and using the specified unit of measure.
	2. Use measurement tools, such as a ruler, yardstick, balance, or measuring cups to find the actual measurement.
	3. Convert your actual measurement to a different unit as shown in the table.
	4. Use your actual measurement to estimate a similar item.

|  |  |  |  |
| --- | --- | --- | --- |
| **1. Estimate** | **2. Actual** | **3. Convert units** | **4. Estimate** |
| Window width |  in. |  in. |  ft. | Door width | ft. |
| Liquid volume of coffee mug |  c. |  c. |  pt. | Liquid volume of pitcher | pt. |
| Distance between your eyes | cm |  cm |  m | Width of your head |  m |
| Weight of a handful of candies | oz. |  oz. |  lbs. | Weight of a bag of candies | lbs. |
| Length of your math book | cm |  cm |  m | Length of your desk |  m |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mass of a pencil |  g |  g |  kg | Mass of an eraser |  kg |
| Liquid volume of milk carton | mL |  mL |  L | Liquid volume of water bottle |  L |
| Height of a chair |  ft. |  ft. |  yd. | Height of a door |  yd. |
| Liquid volume of a spray bottle |  c. |  c. |  qt. | Liquid volume of a sink | qt. |
| Weight of your full backpack | oz. |  oz. |  lbs. | Your weight | lbs. |
| Time to sing Happy Birthday | sec. |  sec. |  min. | Time to sing National Anthem | min. |

*This task was adapted from “Teaching Student-Centered Mathematics Grades 3-5,” by John A. Van de Walle and LouAnn H. Lovin.*