

Math 118 - Dr. Miller - Activity #1: Metric Reference Units - Spring 2014

1. Circle the most reasonable measurement and explain your thinking in each case:

(a) Temperature outside today:

$0^{\circ}C$

$32^{\circ}C$

$-10^{\circ}C$

(b) Length of your index finger:

$8cm$

$8mm$

$8km$

(c) Weight of a cell phone:

$10g$

$1.0g$

$10kg$

$0.10kg$

(d) Volume of the waterfall near the Union:

$5L$

$5kL$

$5mL$

2. For each number, place a decimal point to create the most reasonable measurement:

(a) Your table is about 2 5 0 0 centimeters thick.

(b) I didn't wear a jacket today: it's about 2 8 0 0 degrees Celsius outside.

(c) It's about 5 0 0 0 kilometers from this classroom to the stadium.

(d) A single-serve bag of potato chips weighs about 5 6 0 0 grams.

(e) Dr. Who's phone booth (The TARDIS) can hold about 2 0 0 0 liters of water.