

Each WA is worth 10 points. Work right on these pages. You can work together or see a tutor, but NEVER copy. This WA is for a grade, so dishonesty or cutting corners may earn a 0 for all involved.

1. [2 pts] State the steps in the process of measurement, clearly and in order.

2. [2.5 pts - 0.5 each] Consider the units of measurement below:

<i>credit card</i>	<i>centimeter</i>	<i>quarter (coin)</i>	<i>liter</i>
<i>pound</i>	<i>white board marker</i>	<i>yard</i>	<i>square meter</i>
<i>mile</i>	<i>sack of beans</i>	<i>gallon</i>	<i>parking space</i>
<i>football field</i>	<i>acre</i>	<i>cubic foot</i>	<i>can of pop</i>

- (a) List two that are STANDARD units of linear measure.
- (b) List two could be used as NON-standard units of linear measure.
- (c) List two that could be used as NON-standard units of area.
- (d) List two that could be used as units of volume (either standard or non-standard).
- (e) List two that could be used as units of weight/mass (either standard or non-standard).

3. [2.5 pts - 0.5 each] Circle the larger/higher measurement in each row:

Row 1: 50 milliliters 50 gallons

Row 2: 100 degrees Celsius 100 degrees Fahrenheit

Row 3: 7.5 miles 7.5 meters

Row 4: 50 grams 50 pounds

Row 5: 19.3 cm 19.3 inches

4. [2 pts - 0.5 each] Place a VERY VISIBLE decimal point to create the most reasonable measurement in each case below.

(a) A full gallon jug of water weighs about 4 1 2 kilograms.

(b) The temperature in our classroom today is about 2 1 4 degrees Celsius.

(c) Your pen/pencil is about 1 2 4 centimeters long.

(d) The computer monitor up on the instructor podium in our room is about 4 2 1 meters across.

5. [1 pt] Demonstrate a proportional equation for converting 93.4 feet to inches.