1. Circle the most reasonable measurement and include extra labels or explanations that helped your thinking in each case:
(a) Temperature outside today:

$$
60^{\circ} \mathrm{C} \quad 18^{\circ} \mathrm{F} \quad 18^{\circ} \mathrm{C}
$$

(b) Temperature of hot coffee that's just cool enough to drink:

$$
120^{\circ} \mathrm{C} \quad 120^{\circ} \mathrm{F} \quad 100^{\circ} \mathrm{C}
$$

(c) Length of your index finger:
$8 \mathrm{~cm} \quad 8 \mathrm{~mm} \quad 8 \mathrm{~km}$
(d) Width from side to side of your classroom chair:

$$
\text { 18inches } \quad 18 \mathrm{~cm} \quad 1.8 \mathrm{~m}
$$

(e) Weight of a cell phone:

$$
10-20 g \quad 1.0-2.0 g \quad 10-20 k g \quad 100-200 g
$$

(f) Volume of the waterfall at the Smith Center:

$$
\begin{array}{clll}
2.5 L & 2.5 k L & 2.5 m L & 2.5 g a l
\end{array}
$$

2. For each number, place a decimal point to create the most reasonable measurement:
(a) Your desktop is about 2500 centimeters thick.
(b) It's about 5000 kilometers from this classroom to the stadium.
(c) A snack-size bag of potato chips weighs about 5200 grams.
(d) A typical outdoor trash can in a park can hold about 2000 kiloliters of water.
(e) A typical dumpster can hold about 2000 kiloliters of water.
3. Circle the larger/higher measurement in each horizontal row:
(a) 5 meters
5 yards
5 feet
(b) 2 gallons
2 liters
2 quarts
(c) $6^{\circ} \mathrm{C}$
refrigerator temperature
$32^{\circ} \mathrm{F}$
(d) 15 ounces
15 grams
15 milligrams
(e) 8 pound
8 kilograms
8 ounces
(f) 12 miles
1.2 kilometers
12 meters
4. Name one English/customary unit AND one metric unit that would be suitable for measuring each attribute below:
(a) The height of our classroom
(b) The weight of your car
(c) The weight of a baby bird
(d) The volume of a swimming pool
(e) The distance from SRU to Pittsburgh
(f) The volume of your closet
(g) The volume of a picnic cooler/basket
(h) The length of an eyelash
