

1. Circle the larger/higher measurement in each pair:

(a) 5 in 5 cm

(b) 30° F 30° C

(c) 4 ft 1 m

(d) 4 l 1 gal

2. Circle the most REASONABLE measurement in each list:

(a) Temperature outside on a nice summer day:

-20° C 0° C 32° C 85° C

(b) The weight of a newly-hatched baby chick:

0.2 mg 20 g 0.2 kg 2 kg

(c) The height of our classroom:

2.1 cm 21 cm 2.1 m 21 m

(d) Distance from SRU to Philadelphia:

600m 6000m 600km 6km

3. Convert as indicated; do not round. Show work as needed.

(a) $46.1 \text{ dl} = \underline{\hspace{2cm}} \text{ hl}$

(b) $0.32 \text{ dam}^3 = \underline{\hspace{2cm}} \text{ cm}^3$

4. Use any meaningful method to perform each conversion below, rounding your answers to the nearest hundredth. Show work where possible.

(a) 6.4 *liters* = _____ *pints*, given that 2.113 pints = 1 liter

(b) 5.3 *kl* per square foot to homers per square yard, given that 1 *homer* = 220 *l*

(c) \$75.83 per team-hour to man-minutes per penny, given that 1 *team* = 12 “*men*”