

1. Fill in each blank with the correct number; do not round:

- (a) $0.456 \text{ dm} = \underline{\hspace{2cm}} \text{ dam}$
- (b) $78.9 \text{ hm} = \underline{\hspace{2cm}} \text{ cm}$
- (c) $1.23 \text{ dl} = \underline{\hspace{2cm}} \text{ ml}$
- (d) $0.456 \text{ hl} = \underline{\hspace{2cm}} \text{ kl}$
- (e) $78.9 \text{ cl} = \underline{\hspace{2cm}} \text{ l}$
- (f) $1.23 \text{ kg} = \underline{\hspace{2cm}} \text{ dag}$
- (g) $0.456 \text{ cg} = \underline{\hspace{2cm}} \text{ mg}$
- (h) $78.9 \text{ dg} = \underline{\hspace{2cm}} \text{ hg}$
- (i) $9.5 \text{ m}^2 \text{ to } \text{cm}^2$
- (j) $3000 \text{ m}^2 \text{ to } \text{km}^2$
- (k) $1500 \text{ cm}^2 \text{ to } \text{dm}^2$
- (l) $73.8 \text{ cm}^3 \text{ to } \text{mm}^3$

2. Convert as indicated; round to the nearest tenth unless otherwise specified.

- (a) 14.6 days to hours
- (b) 14.6 hours to days (round to the nearest thousandth)
- (c) $12\frac{1}{2}$ feet to inches
- (d) $6\frac{3}{4}$ pounds to ounces
- (e) 75,000 pounds to tons
- (f) $4\frac{1}{2}$ tons to pounds
- (g) $3\frac{1}{2}$ gallons to quarts
- (h) $12\frac{1}{2}$ quarts to gallons (round to the nearest thousandth)
- (i) 200 square feet to square yards
- (j) 350 square feet to square inches

3. Convert the following “mixed” measurements as indicated; round to the nearest hundredth if needed.

- (a) 5 feet, 7 inches to feet
- (b) 5 feet, 7 inches to inches
- (c) 8 pounds, 5 ounces to ounces
- (d) 8 pounds, 5 ounces to pounds
- (e) 7 hours, 14 minutes to minutes
- (f) 7 hours, 14 minutes to hours

1. (a) 0.00456 dam
(b) 789,000 cm
(c) 123 ml
(d) 0.0456 kl
(e) 0.789l
(f) 123 dag
(g) 4.56 mg
(h) 0.0789 hg
(i) 95,000 cm^2
(j) 0.003 km^2
(k) 15 dm^2
(l) 73,800 mm^3

2. (a) 350.4 hours
(b) 0.608 days
(c) 150 inches
(d) 108 ounces
(e) 37.5 tons
(f) 9,000 pounds
(g) 14 quarts
(h) 3.125 gallons
(i) 22.2 yd^2
(j) 50,400 in^2

3. (a) 5.58 feet
(b) 67 inches
(c) 133 ounces
(d) 8.31 pounds
(e) 434 minutes
(f) 7.23 hours