

Unit Conversions

Name _____

Common Conversions

Length

| | |
|----------------|-----------------------|
| 1 inch (in) | 2.54 centimetres (cm) |
| 12 inches (in) | 1 foot (ft) |
| 1 mile (mi) | 1.6 kilometres (km) |
| 1 yard (yd) | 3 feet (ft) |
| 1 mile (mi) | 5280 feet (ft) |

Mass

| | |
|---------------------|------------------|
| 1 ounce (oz) | 28 grams (g) |
| 2.2 pounds (lb) | 1 kilogram (kg) |
| 1000 kilograms (kg) | 1 metric ton (t) |
| 1 pound (lb) | 16 ounces (oz) |

Volume

| | |
|-------------------------|---------------------------------------|
| 1 millilitre (mL) | 1 cubic centimetre (cm ³) |
| 1 teaspoon (tsp) | 4.93 millilitres (mL) |
| 1 tablespoon (tbs) | 14.79 millilitres (mL) |
| 1 gallon (gal) | 4 quarts (qt) |
| 1 gallon (gal) | 3.79 litres (L) |
| 1 fluid ounce (fl. oz.) | 29.57 millilitres (mL) |

Time

| | |
|----------------|------------------|
| 1 year (yr) | 365 days |
| 1 hour (h) | 60 minutes (min) |
| 1 minute (min) | 60 seconds (s) |

Perform the following unit conversions

1a) 5.3m to _____mm b) 0.0329hm to _____cm c) 1.295cm to _____km

d) 12.4 cL to _____mL e) 45.3 mg to _____g f) 15.02 kJ to _____J

2a) 69 in to _____ft b) 3.5 yd to _____ft c) 10 fl.oz. to _____mL

d) 60 oz to _____lbs e) 0.050 t to _____oz f) 5 gal to _____L

g) 1 hr to _____seconds

3a) 20 cm² to _____mm²

b) 1 m³ to _____cm³

c) 12 dm² to _____in²

Unit Conversions

Name_____

d) 1 hr² to _____s²

e) 3285 ft³ to _____m³

f) 11m³ to _____L

4a) 5m/s² to _____km/h²

b) 20m/s to _____km/h

c) 15m³/s to _____L/h

d) 25.3L/kg to _____cm³/g

e) 531 cm²/min to _____m²/h