

Name: \_\_\_\_\_

Period 2 3 4 6

Date: \_\_\_\_\_

## Unit Conversion Worksheet

### Conversions

1 hour = 3600 seconds  
1 meter = 3.28 feet  
1 kg = 2.2 lbs  
1 m/s = 2.2 miles/hour

1 mile = 5280 feet  
1 km = 0.62 miles  
1 lb = 0.45 kg  
1 foot = 12 inches

1 yard = 3 feet  
1 light second = 300,000,000 meters  
1 quart = 0.946 liters  
1 inch = 2.54 cm = 25.4 mm

### Convert the following quantities.

565,900 seconds into days

17 years into minutes

\_\_\_\_\_ inches

7)  $2.5 \times 10^4$  gallons  $\rightarrow$  mL

8) 34.8 mi/hr  $\rightarrow$  km/min

9) 0.00590 lb/qt  $\rightarrow$  g/gal

10)  $5.178 \times 10^{-3}$  lb/gal  $\rightarrow$  g/mL