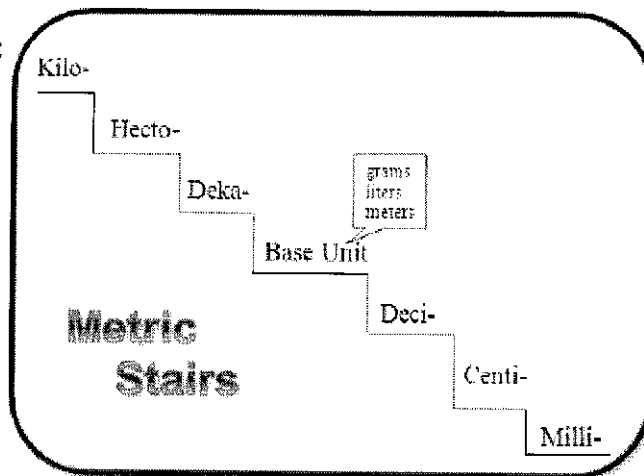


Common Metric Length, Volume, and Mass Measures:

- Convert 235 millimeters to centimeters.
- Convert 3.8 kilograms to grams.
- Convert 2.32 liters to milliliters.
- Convert 3537 centimeters to kilometers.



Common Time Measures

**Conversions: SMALL**  $\longrightarrow$  **LARGE**

$\frac{60 \text{ seconds}}{1 \text{ minute}}$	$\frac{60 \text{ minutes}}{1 \text{ hour}}$	$\frac{24 \text{ hours}}{1 \text{ day}}$	$\frac{365 \text{ days}}{1 \text{ year}}$
$\frac{1 \text{ minute}}{60 \text{ seconds}}$	$\frac{1 \text{ hour}}{60 \text{ minutes}}$	$\frac{1 \text{ day}}{24 \text{ hours}}$	$\frac{1 \text{ year}}{365 \text{ days}}$

- Convert 78320 seconds to minutes.
- Convert 2.3 hours to seconds.
- Convert 1.42 years to minutes.

Name \_\_\_\_\_

CCGPS Coordinate Algebra Unit 1

MCC9-12.A.CED.1, MCC9-12.A.CED.3, MCC9-12.N.Q.1, MCC9-12.N.Q.2, MCC9-12.N.Q.3

Unit Conversions Practice

<p><i>5280 feet = 1 mile</i> <i>.034 ounces = 1 milliliter</i> <i>0454 kilograms = 1 pound</i> <i>1.6kilometers = 1 mile</i> <i>73 gallons = 2 barrels</i> <i>1.05 quarts = 1 liter</i> <i>4 quarts = 1 gallon</i></p>	<p><i>12 inches = 1 foot</i> <i>1000 milliliters = 1 liter</i> <i>60 sec = 1 minute</i> <i>60 minutes = 1 hour</i> <i>24 hours = 1 day</i> <i>365 days = 1 year</i></p>
1. Convert 23 miles to feet	2. Convert 120 lbs to kilograms.
3. Convert 451 mL to ounces.	4. Convert 6 feet to miles.
5. Convert 4 quarts to liters.	6. Convert 0.045 barrels to gallons.
7. Convert 75 minutes to days.	8. Convert 46 inches to miles
9. Convert 65 ounces to liters.	10. Convert one million seconds to years.
11. Convert 12 liters to barrels.	12. Find your age in seconds.

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

CCGPS ALGEBRA

January 9, 2013

## Unit Conversion Worksheet

### Conversions

1 hour = 3600 seconds

1 meter = 3.28 feet

1 kg = 2.2 lbs

1 km = 1000m

100cm = 1 m

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.

1) 565,900 seconds into days

2) 17 years into minutes

3) 43 miles into feet

4) 165 pounds into kilograms

5) 100 yards into meters

6) 22,647 inches into miles

7) 2678 cm into feet