

## Unit Conversions Practice - Answers

*Do the following one-step unit conversions:*

- 1) Convert 23 miles to feet.  
**121,440 feet**
- 2) Convert 120 lbs to kilograms.  
**54.5 kg**
- 3) Convert 451 mL to ounces.  
**15.3 oz**
- 4) Convert 6 feet to miles.  
**0.00114 miles**
- 5) Convert 4 quarts to liters.  
**3.81 L**
- 6) Convert 0.045 barrels to gallons.  
**1.64 gallons**

*Do the following multi-step unit conversions:*

- 7) Convert 75 minutes to days.  
**0.052 days**
- 8) Convert 46 inches to miles (there are 12 inches in one foot).  
**0.000726 miles**
- 9) Convert 65 ounces to liters. (There are 1000 mL in one liter).  
**1.91 L**
- 10) Convert one million seconds to years.  
**0.032 years**
- 11) Convert 12 liters to barrels.  
**0.0863 barrels**
- 12) Find your age in seconds.  
**The age will be equal to  $3.15 \times 10^7$  seconds for every year. Thus, students should have the following ages for each age:**  
**11 y.o. –  $3.47 \times 10^8$  sec**  
**12 y.o. –  $4.13 \times 10^8$  sec**  
**13 y.o. –  $4.47 \times 10^8$  sec**  
**14 y.o. –  $4.81 \times 10^8$  sec**  
**15 y.o. –  $5.16 \times 10^8$  sec**