Unit Conversions Practice

- There are 5280 feet in one mile
- There are 0.034 ounces in one milliliter
- There are 0.454 kg in one pound
- There are 1.6 kilometers in one mile
- There are 73 gallons in 2 barrels
- There are 1.05 quarts in one liter
- There are 4 quarts in one gallon

Do the following one-step unit conversions:

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.

Do the following multi-step unit conversions:

7) Convert 75 minutes to days.

8) Convert 46 inches to miles (there are 12 inches in one foot).

9) Convert 65 ounces to liters. (There are 1000 mL in one liter).

10) Convert one million seconds to years.

11) Convert 12 liters to barrels.

12) Find your age in seconds.

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 3.15×10^7 seconds for every year. Thus, students should have the following ages for each age:
11 y.o. – 3.47×10^8 sec
12 y.o. – 4.13×10^8 sec
13 y.o. – 4.47×10^8 sec
14 y.o. – 4.81×10^8 sec
15 y.o. – 5.16×10^8 sec