

Conversions Sample Test #1

1. 7,691 kL = _____ μL
2. The month of January has _____ seconds
3. 500 mL of water = _____ kg
4. $36,123 \text{ cm}^3 = \text{_____ km}^3$
5. $108 \text{ km/hr} = \text{_____ m/s}$

Conversions Sample Test #2

1. $0.7 \text{ km} = \underline{\hspace{2cm}} \text{ mm}$
2. $76 \text{ m}^3 = \underline{\hspace{2cm}} \text{ kL}$
3. Zero degrees Celsius = $\underline{\hspace{2cm}}$ kelvins
4. $0.00401 \text{ L / kg} = \underline{\hspace{2cm}} \text{ mL / g}$
5. $52 \text{ yottameters} = \underline{\hspace{2cm}} \text{ petameters}$

Conversions Sample Test #3

1. 9.18 metric tonnes = _____ cg
2. Convert 3.72 grams per cubic centimeter (g/cm³) to kilograms per cubic meter (kg/m³).

3. The speed of sound in air is about 343 m/s. How many kilometers does sound travel in one hour?

4. $87 \text{ g} \times \text{m/s}^2 = \text{_____ N}$
5. Convert 37.43×10^2 kilograms to femtograms.

Conversions Sample Test #4

1. The radius of a circle is 21 cm. What is the circumference in m?

2. How many zeptometers is 476 picometers? _____

3. How many seconds are in one day? _____

4. Convert 3.93×10^{-6} petaliters per square megameter to dekaliters per square yoctometer.

5. Convert 87.1 nL to cubic micrometers. _____

Conversions Sample Test #5

1. Convert 1,003,004 exagrams to yottagrams. _____
2. How many hectograms are in a gigagram? _____
3. A circle has a circumference of 314 cm. What is the surface area of the circle?
4. Convert 7.52×10^4 attometers to yoctometers. _____
5. Convert 12.33 kelvins to degrees Celsius. _____