

Metric Unit Conversion Practice Test (Key)

1. Convert $-137^{\circ}\text{Celsius}$ to Kelvin. **Answer: 136.15 Kelvin (K) (136 Kelvin will also be accepted, but remember that Kelvin=Celsius+273.15 from now on)**
2. Convert 4.5 kilometers to decameters/dekameters. **Answer: 450 decameters/dekameters (dam/Dm)**
3. Convert 12.7409 hectometers to decimeters. **Answer: 12,740.9 decimeters (dm)**
4. Convert 52.09 milliamperes to amperes. **Answer: 0.05209 Amperes (A)**
5. Convert 1 square millimeter to square micrometers. **Answer: 1,000,000 square micrometers (μm^2)**
6. Convert 5.87 nanograms to grams. **Answer: 0.0000000587 grams (g)**
7. Convert 18 km/hr to m/s. **Answer: 5 m/s (meters per second)**
8. Convert 5085942304 microseconds to seconds. **Answer: 5,085.942304 seconds (s)**
9. Convert 732 Kelvin to Celsius. **Answer: 458.85°Celsius ($^{\circ}\text{C}$) (459°Celsius will also be accepted)**
10. Convert 379 dm^2 to dam^2/Dm^2 . **Answer: 0.0379 dam^2/Dm^2 (square decameters/dekameters)**
11. Convert 1.201 cubic megameters to cubic decameters/dekameters. **Answer: 1,201,000,000,000,000 cubic decameters/dekameters (dam^3/Dm^3)**
12. Convert .00400086 teraliters to kiloliters. **Answer: 4,000,860 kiloliters (kL/kl)**
13. Convert 4965845999 square hectometers to square gigameters. **Answer: 0.00004965845999 square gigameters (Gm^2)**

14. Convert 39.07 Kelvin to Celsius. **Answer: -234.08°Celsius (°C) (-233.93°Celsius will also be accepted)**
15. Convert 18.11 femtograms to attograms. **Answer: 18,110 attograms (ag)**
16. Convert 1 square yoctometer to square yottameters. **Answer: 1×10^{-96} square yottameters (Ym^2)**
17. Convert 1.24578101 petaliters to hectoliters. **Answer: 12,457,810,100,000 hectoliters (hL/hl)**
18. Convert 2.4 tonnes to centigrams. **Answer: 240,000,000 centigrams (cg)**
19. Convert 4.903×10^{18} zeptograms to grams. **Answer: 0.004903 grams (g)**
20. Convert 143 hm^3 to cm^3 . **Answer: 143,000,000,000,000 cm^3 (cubic centimeters)**
21. Convert 150050 cubic nanometers to cubic micrometers. **Answer: 0.00015005 cubic micrometers (μm^3)**
22. Convert 20000000000 picometers to millimeters. **Answer: 20 millimeters (mm)**
23. Convert 13.55003 megaliters to decaliters. **Answer: 1,355,003 decaliters/dekaliters (daL/DL/dal/Dl)**
24. Convert 1540 microseconds to milliseconds. **Answer: 1.54 milliseconds (ms)**
25. Convert 1.1 square meters to square kilometers. **Answer: 0.0000011 square kilometers (km^2)**