

Unit Conversions

1. What is the name of a mass that is 10^{-6} smaller than a gram?
2. What is the name of the distance that is 10^{-9} smaller than a meter?
3. What is the name of the distance that is 10^3 larger than a meter?
4. How many milligrams are in one gram?
5. What is the name of a volume that is 1,000 times larger than a milliliter?
6. How many meters are in a kilometer?
7. A length of time that is 0.000000001 second is also called a what?
8. A first grader measures 1 meter high. How much bigger is this first grader compared to the height of a bug that measures 1 millimeter high?
9. How many microliters are in one liter?
10. How many nanoseconds are in one second?
11. A deciliter is how many times larger than a milliliter?
12. How many liters are in a megaliter?
13. How many megaliters are in a centiliter?
14. How many micrograms are in one kilogram?
15. How many millimeters are in a kilometer?
16. A micrometer is how many times smaller than a millimeter?
17. How many deciliters is 5 L? (Hint: How many deciliters are in 1 L?)
18. How many meters is 63.9 cm?
19. How many kilograms are in 1,629 milligrams?

20. How many pounds are in a kilogram?
21. How many pounds are in 2 kilograms?
22. How many kilograms are in 14.2 pounds?
23. How many feet are in 20 centimeters?
24. How many meters is 1,602 ft?
25. How many pounds is 12 g?
26. How many gallons is 0.2 L?
27. What is the speed (in m/s) of a car travelling 1000 cm/s?
28. What is the speed in km/h of a car travelling 105,200 cm/h
29. What is the speed in miles per hour of a bike travelling .001 miles per second?
30. How fast (in m/s) is a car travelling 20 mph?
31. 37 mph?
32. How fast (in mph) is a car travelling 20 m/s?
33. 37 m/s?