

Convert the following to scientific notation (**remember to include the units**)

1. 70,000,000,000,000 miles
2. 80,000,000,000 tons
3. 41,000,000,000 light-years
4. 6,100,000,000 ants
5. 4,650,000,000 years
6. 10,000,000 milligrams

Make the following metric conversions

7. 1 cm = \_\_\_\_\_ mm
8. 1 Kg = \_\_\_\_\_ g
9. 1 m = \_\_\_\_\_ cm
10. 1 l = \_\_\_\_\_ ml
11. 100 cm = \_\_\_\_\_ m
12. 1 Km = \_\_\_\_\_ m
13. 1 g = \_\_\_\_\_ mg
14. 34 m = \_\_\_\_\_ cm
15. 12.4 Km = \_\_\_\_\_ m
16. 6 gigabytes = \_\_\_\_\_ bytes
17. 1000 kilowatts = \_\_\_\_\_ watts

Convert the following to scientific notation (**remember the units**)

18. 0.000059 grams

19. 0.00000000032 millimeters

20. 0.1 centimeters

21. .005 liters

22. .0002356 grams

23. 1.00000000 milliliters (Trick question)

24. .0006 kilograms

25. .0000000764 centimeters