

Express the following numbers in Scientific Notation:

- 1) 2510 _____
- 2) 0.0065 _____
- 3) 46 _____
- 4) 77000000 _____
- 5) 0.0102 _____
- 6) 3400600 _____
- 7) 0.0230 _____

Express the following in decimal form:

- 8) 4.77×10^4 _____
- 9) 8.41×10^{-6} _____
- 10) 5.8×10^1 _____
- 11) 9.1×10^0 _____
- 12) 1.415×10^{-2} _____
- 13) 8.904×10^8 _____

Match the exponential number with the metric prefix.

A. 10^{-6} B. 10^{-1} C. 10^3 D. 10^9 E. 10^6 F. 10^{12} G. 10^{-2}

14) _____ kilo

15) _____ deci

16) _____ giga

17) _____ tera

18) _____ mega

19) _____ centi

20) _____ micro

Name the metric prefix indicated by the following exponents.

21) 10^{12} _____

22) 10^{-9} _____

23) 10^2 _____

24) 10^6 _____

25) 10^{-3} _____

26) 10^{-1} _____

27) 10^2 _____

List the exponent indicated by the following metric prefixes.

28) hecto _____

29) centi _____

30) pico _____

31) nano _____

32) deca _____

Answer the following questions with the correct S.I. Standard unit.

33) What is the unit for measuring length in the S.I system? _____

34) What is the unit for measuring time in the S.I system? _____

35) What is the unit for measuring mass in the S.I system? _____

36) What is the unit for measuring temperature in the S.I system? _____

37) What is the unit for measuring volume in the S.I system? _____

Quiz: Scientific Notation, Significant Figures, Conversions

Convert the following:

38) 42g to mg _____

39) 0.741cm to m _____

40) 8.4 mL to L _____

41) 776 kg to g _____

42) 1005 μ L to ml _____

43) 25 kg to mg _____

44) 45000 cm to Gm _____

45) 0.003 TL to nL _____

46) 45 in to ft _____

47) 256 yds to ft _____

48) 389 kg to lbs _____

49) 94 in to cm _____

50) 35 sec. to min. _____

12 in = 1 ft 3 ft = 1yd

2.2 lbs = 1kg

2.54 cm = 1 in