I. Powers of Ten worksheet:

Express the following powers of ten in "normal notation", for example 1000:

1) 10^{4} =

2) 10^{7} =

3) 10^{17} =

4) 10^{-1} =

5) 10^{-4} =

6) 10^{-12} =

Express the following numbers as powers of ten.

7) 10 =

8) 100,000 =

9) 1,000,000,000,000,000,000 =

10) 0.001 =

11) 1 =

12) 0.000000001 =

II. Scientific Notation worksheet:

Convert the following numbers to Scientific Notation:

14) 5,213 =

15) 73,200 =

16) 23.21 =

17) 21,000,000,000 =

18) 4,713,000,000 =

19) 0.02 =

20) 0.000314 =

21) 0.00000000043791

Convert the following numbers to "normal notation" (eg, 1000)"

22) $2 \times 10^{3} =$

23) $2.331 \times 10^{5} =$

24) $9.51 \times 10^{22} =$

25) $5 \times 10^{-3} =$

26) $7.6278 \times 10^{-5} =$

27) $10^{3} + 10^{5} =$

28) $(2.51 \times 10^{2}) + (5.23 \times 10^{4}) =$

29) $10^{4} - 10^{2} =$

30) $(2 \times 10^{4}) - (7 \times 10^{2}) =$

31) $10^{12} \times 10^{5} =$

32) $(7.2 \times 10^{5}) \times (2.12 \times 10^{-2}) =$

33) $10^{9} / 10^{4} =$

34) $(2.3 \times 10^{7}) / (9.2 \times 10^{2}) =$