

Use for class ~~Review~~ ~~Quiz~~ ~~Assignment~~

Change to common notation:

1. 4.35×10^{-5}
2. 8.035×10^8
3. 2.333×10^{12}
4. 2.00×10^3
5. 1.60×10^{-3}
6. 1.6×10^{-3}

Change to scientific notation:

7. 12,560,000
8. .000054001
9. .006
10. 200,000,000,000
11. 200,000,000,000
12. .0000240

Round this number:

56,018,990,261

13. to 1 sig fig
14. to 3 sig figs
15. to 5 sig figs
16. to 7 sig figs
17. to 9 sig figs

How many sig figs?

- | | |
|--------------|-------------|
| 18. 45.03 | 25. .1000 |
| 19. 2000 | 26. .0001 |
| 20. .0006 | 27. 500,000 |
| 21. 57,020 | 28. 500,100 |
| 22. .0000030 | 29. .308 |
| 23. 340,000 | 30. 15.00 |
| 24. 800.0 | |

Use calculator to solve:

(round answer to 3 sig figs)

31. $(5.30 \times 10^{12})(1.44 \times 10^7)$
32. $(8.45 \times 10^{-9}) + (7.38 \times 10^{13})$

Show Factor Label Method:

33. 4.7 in = ___ m
34. 78 mL/hr = ___ liter/day
35. 1.02×10^8 s = ___ weeks
36. .02 m² = ___ in²
37. 231 ng = ___ Mg
38. 7000 TL = ___ μ L
39. 85.4 mph = ___ km/min

ANSWERS

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