

Name _____

Date _____

Translating Scientific Numbers Into Everyday Expression

Directions: Write each of the following numbers as ordinary numbers.

- | | |
|-------------------------------------|-----------------------------------|
| 1. 3.64×10^4 _____ | 21. 2.97×10^{-4} _____ |
| 2. 3.9734×10^5 _____ | 22. 3.88×10^{-2} _____ |
| 3. 6.285×10^3 _____ | 23. 5.65×10^{-1} _____ |
| 4. 6.7978×10^0 _____ | 24. 3.7283×10^{-4} _____ |
| 5. 5.8643×10^2 _____ | 25. 4.763×10^{-3} _____ |
| 6. 2.973×10^1 _____ | 26. 5.9267×10^{-1} _____ |
| 7. 3.487×10^3 _____ | 27. 8.654×10^{-2} _____ |
| 8. 2.9265×10^5 _____ | 28. 2.5417×10^{-3} _____ |
| 9. 8.7321×10^4 _____ | 29. 9.865×10^{-5} _____ |
| 10. 6.14300×10^3 _____ | 30. 8.673×10^{-7} _____ |
| 11. 2.343×10^1 _____ | 31. 2.4863×10^{-7} _____ |
| 12. 9.5000×10^0 _____ | 32. 2.251×10^{-1} _____ |
| 13. 8.48×10^2 _____ | 33. 1.452×10^{-3} _____ |
| 14. 2.926847212×10^9 _____ | 34. 2.685×10^{-6} _____ |
| 15. 3.03×10^7 _____ | 35. 4.92×10^{-5} _____ |
| 16. 4.29×10^6 _____ | 36. 4.000×10^{-2} _____ |
| 17. 5.63×10^4 _____ | 37. 7.83×10^{-3} _____ |
| 18. 3.286×10^4 _____ | 38. 8.429×10^{-1} _____ |
| 19. 5.92000×10^2 _____ | 39. 5.376×10^{-2} _____ |
| 20. 4.37521×10^3 _____ | 40. 2.986×10^{-4} _____ |

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Expressing the Very Large and the Very Small

Directions: Express each of the following numbers using scientific notation.

1. 325 _____
2. 70 _____
3. 96,400 _____
4. 5,921 _____
5. 6,587,324,000 _____
6. 42.372 _____
7. 2.538 _____
8. 3,621.471 _____
9. 362.516 _____
10. 4 _____
11. 240.000 _____
12. 3,752.6 _____
13. 23,000,000,000 _____
14. 741,900 _____
15. 456.83 _____
16. 17 _____
17. 3 _____
18. 5.000 _____
19. 215 _____
20. 7,000,631 _____
21. 0.361 _____
22. 0.0428 _____
23. 0.00573 _____
24. 0.0005438 _____
25. 0.00005673 _____
26. 0.507 _____
27. 0.00483 _____
28. 0.0000000009 _____
29. 0.000421 _____
30. 0.0000054 _____
31. 0.000039256 _____
32. 0.06723 _____
33. 0.75140000 _____
34. 0.000000010 _____
35. 0.000023 _____
36. 0.000000614 _____
37. 0.0037004 _____
38. 0.00000038 _____
39. 0.01010 _____
40. 0.000000000001 _____