

Name: _____

Class: _____

PRIME NUMBERS

List the prime factors for each number. Is the number prime?

- | | | |
|----------------|----------------|----------------|
| 1. 66 = _____ | 2. 72 = _____ | 3. 1 = _____ |
| 4. 80 = _____ | 5. 4 = _____ | 6. 9 = _____ |
| 7. 8 = _____ | 8. 57 = _____ | 9. 56 = _____ |
| 10. 42 = _____ | 11. 5 = _____ | 12. 38 = _____ |
| 13. 14 = _____ | 14. 7 = _____ | 15. 69 = _____ |
| 16. 70 = _____ | 17. 45 = _____ | 18. 88 = _____ |
| 19. 25 = _____ | 20. 37 = _____ | 21. 22 = _____ |
| 22. 17 = _____ | 23. 18 = _____ | 24. 11 = _____ |
| 25. 75 = _____ | 26. 71 = _____ | 27. 74 = _____ |
| 28. 2 = _____ | 29. 68 = _____ | 30. 82 = _____ |
| 31. 95 = _____ | 32. 44 = _____ | 33. 83 = _____ |
| 34. 47 = _____ | 35. 6 = _____ | 36. 98 = _____ |
| 37. 87 = _____ | 38. 21 = _____ | 39. 55 = _____ |
| 40. 30 = _____ | 41. 60 = _____ | 42. 84 = _____ |
| 43. 13 = _____ | 44. 43 = _____ | 45. 54 = _____ |
| 46. 31 = _____ | 47. 93 = _____ | 48. 92 = _____ |
| 49. 77 = _____ | 50. 3 = _____ | 51. 81 = _____ |
| 52. 29 = _____ | 53. 62 = _____ | 54. 20 = _____ |

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List the prime factors for each number. Is the number prime?

- | | | |
|-------------------------------|-------------------------------|-------------------------------|
| 1. 66 = <u>2x3x11 (No)</u> | 2. 72 = <u>2x2x2x3x3 (No)</u> | 3. 1 = <u>1 (No)</u> |
| 4. 80 = <u>2x2x2x2x5 (No)</u> | 5. 4 = <u>2x2 (No)</u> | 6. 9 = <u>3x3 (No)</u> |
| 7. 8 = <u>2x2x2 (No)</u> | 8. 57 = <u>3x19 (No)</u> | 9. 56 = <u>2x2x2x7 (No)</u> |
| 10. 42 = <u>2x3x7 (No)</u> | 11. 5 = <u>5 (Yes)</u> | 12. 38 = <u>2x19 (No)</u> |
| 13. 14 = <u>2x7 (No)</u> | 14. 7 = <u>7 (Yes)</u> | 15. 69 = <u>3x23 (No)</u> |
| 16. 70 = <u>2x5x7 (No)</u> | 17. 45 = <u>3x3x5 (No)</u> | 18. 88 = <u>2x2x2x11 (No)</u> |
| 19. 25 = <u>5x5 (No)</u> | 20. 37 = <u>37 (Yes)</u> | 21. 22 = <u>2x11 (No)</u> |
| 22. 17 = <u>17 (Yes)</u> | 23. 18 = <u>2x3x3 (No)</u> | 24. 11 = <u>11 (Yes)</u> |
| 25. 75 = <u>3x5x5 (No)</u> | 26. 71 = <u>71 (Yes)</u> | 27. 74 = <u>2x37 (No)</u> |
| 28. 2 = <u>2 (Yes)</u> | 29. 68 = <u>2x2x17 (No)</u> | 30. 82 = <u>2x41 (No)</u> |
| 31. 95 = <u>5x19 (No)</u> | 32. 44 = <u>2x2x11 (No)</u> | 33. 83 = <u>83 (Yes)</u> |
| 34. 47 = <u>47 (Yes)</u> | 35. 6 = <u>2x3 (No)</u> | 36. 98 = <u>2x7x7 (No)</u> |
| 37. 87 = <u>3x29 (No)</u> | 38. 21 = <u>3x7 (No)</u> | 39. 55 = <u>5x11 (No)</u> |
| 40. 30 = <u>2x3x5 (No)</u> | 41. 60 = <u>2x2x3x5 (No)</u> | 42. 84 = <u>2x2x3x7 (No)</u> |
| 43. 13 = <u>13 (Yes)</u> | 44. 43 = <u>43 (Yes)</u> | 45. 54 = <u>2x3x3x3 (No)</u> |
| 46. 31 = <u>31 (Yes)</u> | 47. 93 = <u>3x31 (No)</u> | 48. 92 = <u>2x2x23 (No)</u> |
| 49. 77 = <u>7x11 (No)</u> | 50. 3 = <u>3 (Yes)</u> | 51. 81 = <u>3x3x3x3 (No)</u> |
| 52. 29 = <u>29 (Yes)</u> | 53. 62 = <u>2x31 (No)</u> | 54. 20 = <u>2x2x5 (No)</u> |