

**Name:** \_\_\_\_\_

**Class:** \_\_\_\_\_

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

- |                |                |                |
|----------------|----------------|----------------|
| 1. 95 = _____  | 2. 7 = _____   | 3. 42 = _____  |
| 4. 44 = _____  | 5. 66 = _____  | 6. 58 = _____  |
| 7. 1 = _____   | 8. 4 = _____   | 9. 5 = _____   |
| 10. 92 = _____ | 11. 39 = _____ | 12. 79 = _____ |
| 13. 6 = _____  | 14. 13 = _____ | 15. 23 = _____ |
| 16. 9 = _____  | 17. 3 = _____  | 18. 61 = _____ |
| 19. 17 = _____ | 20. 81 = _____ | 21. 46 = _____ |
| 22. 12 = _____ | 23. 74 = _____ | 24. 8 = _____  |
| 25. 20 = _____ | 26. 34 = _____ | 27. 89 = _____ |
| 28. 14 = _____ | 29. 2 = _____  | 30. 26 = _____ |
| 31. 50 = _____ | 32. 28 = _____ | 33. 83 = _____ |
| 34. 91 = _____ | 35. 88 = _____ | 36. 18 = _____ |
| 37. 47 = _____ | 38. 32 = _____ | 39. 48 = _____ |
| 40. 24 = _____ | 41. 37 = _____ | 42. 90 = _____ |
| 43. 96 = _____ | 44. 53 = _____ | 45. 93 = _____ |
| 46. 10 = _____ | 47. 33 = _____ | 48. 51 = _____ |
| 49. 54 = _____ | 50. 82 = _____ | 51. 69 = _____ |
| 52. 78 = _____ | 53. 19 = _____ | 54. 40 = _____ |
| 55. 65 = _____ | 56. 67 = _____ | 57. 49 = _____ |

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

- |                                  |                                |                                |
|----------------------------------|--------------------------------|--------------------------------|
| 1. 95 = <u>5×19 (No)</u>         | 2. 7 = <u>7 (Yes)</u>          | 3. 42 = <u>2×3×7 (No)</u>      |
| 4. 44 = <u>2×2×11 (No)</u>       | 5. 66 = <u>2×3×11 (No)</u>     | 6. 58 = <u>2×29 (No)</u>       |
| 7. 1 = <u>1 (No)</u>             | 8. 4 = <u>2×2 (No)</u>         | 9. 5 = <u>5 (Yes)</u>          |
| 10. 92 = <u>2×2×23 (No)</u>      | 11. 39 = <u>3×13 (No)</u>      | 12. 79 = <u>79 (Yes)</u>       |
| 13. 6 = <u>2×3 (No)</u>          | 14. 13 = <u>13 (Yes)</u>       | 15. 23 = <u>23 (Yes)</u>       |
| 16. 9 = <u>3×3 (No)</u>          | 17. 3 = <u>3 (Yes)</u>         | 18. 61 = <u>61 (Yes)</u>       |
| 19. 17 = <u>17 (Yes)</u>         | 20. 81 = <u>3×3×3×3 (No)</u>   | 21. 46 = <u>2×23 (No)</u>      |
| 22. 12 = <u>2×2×3 (No)</u>       | 23. 74 = <u>2×37 (No)</u>      | 24. 8 = <u>2×2×2 (No)</u>      |
| 25. 20 = <u>2×2×5 (No)</u>       | 26. 34 = <u>2×17 (No)</u>      | 27. 89 = <u>89 (Yes)</u>       |
| 28. 14 = <u>2×7 (No)</u>         | 29. 2 = <u>2 (Yes)</u>         | 30. 26 = <u>2×13 (No)</u>      |
| 31. 50 = <u>2×5×5 (No)</u>       | 32. 28 = <u>2×2×7 (No)</u>     | 33. 83 = <u>83 (Yes)</u>       |
| 34. 91 = <u>7×13 (No)</u>        | 35. 88 = <u>2×2×2×11 (No)</u>  | 36. 18 = <u>2×3×3 (No)</u>     |
| 37. 47 = <u>47 (Yes)</u>         | 38. 32 = <u>2×2×2×2×2 (No)</u> | 39. 48 = <u>2×2×2×2×3 (No)</u> |
| 40. 24 = <u>2×2×2×3 (No)</u>     | 41. 37 = <u>37 (Yes)</u>       | 42. 90 = <u>2×3×3×5 (No)</u>   |
| 43. 96 = <u>2×2×2×2×2×3 (No)</u> | 44. 53 = <u>53 (Yes)</u>       | 45. 93 = <u>3×31 (No)</u>      |
| 46. 10 = <u>2×5 (No)</u>         | 47. 33 = <u>3×11 (No)</u>      | 48. 51 = <u>3×17 (No)</u>      |
| 49. 54 = <u>2×3×3×3 (No)</u>     | 50. 82 = <u>2×41 (No)</u>      | 51. 69 = <u>3×23 (No)</u>      |
| 52. 78 = <u>2×3×13 (No)</u>      | 53. 19 = <u>19 (Yes)</u>       | 54. 40 = <u>2×2×2×5 (No)</u>   |
| 55. 65 = <u>5×13 (No)</u>        | 56. 67 = <u>67 (Yes)</u>       | 57. 49 = <u>7×7 (No)</u>       |