

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



# Which Numbers are Prime Numbers?

For Example: 3 (Yes) 9 3 x 3 (No)

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

1. 97 = \_\_\_\_\_ 2. 11 = \_\_\_\_\_

3. 2 = \_\_\_\_\_ 4. 32 = \_\_\_\_\_

5. 66 = \_\_\_\_\_ 6. 30 = \_\_\_\_\_

7. 56 = \_\_\_\_\_ 8. 53 = \_\_\_\_\_

9. 1 = \_\_\_\_\_ 10. 10 = \_\_\_\_\_

11. 84 = \_\_\_\_\_ 12. 86 = \_\_\_\_\_

13. 18 = \_\_\_\_\_ 14. 89 = \_\_\_\_\_

15. 9 = \_\_\_\_\_ 16. 65 = \_\_\_\_\_

17. 5 = \_\_\_\_\_ 18. 7 = \_\_\_\_\_

19. 8 = \_\_\_\_\_ 20. 22 = \_\_\_\_\_

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For Example: 3 (Yes) 9 3 x 3 (No)

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

1.  $97 = 97$  (Yes)

2.  $11 = 11$  (Yes)

3.  $2 = 2$  (Yes)

4.  $32 = 2 \times 2 \times 2 \times 2 \times 2$  (No)

5.  $66 = 2 \times 3 \times 11$  (No)

6.  $30 = 2 \times 3 \times 5$  (No)

7.  $56 = 2 \times 2 \times 2 \times 7$  (No)

8.  $53 = 53$  (Yes)

9.  $1 = 1$  (No)

10.  $10 = 2 \times 5$  (No)

11.  $84 = 2 \times 2 \times 3 \times 7$  (No)

12.  $86 = 2 \times 43$  (No)

13.  $18 = 2 \times 3 \times 3$  (No)

14.  $89 = 89$  (Yes)

15.  $9 = 3 \times 3$  (No)

16.  $65 = 5 \times 13$  (No)

17.  $5 = 5$  (Yes)

18.  $7 = 7$  (Yes)

19.  $8 = 2 \times 2 \times 2$  (No)

20.  $22 = 2 \times 11$  (No)