

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. 304 = \_\_\_\_\_

2. 287 = \_\_\_\_\_

3. 414 = \_\_\_\_\_

4. 96 = \_\_\_\_\_

5. 247 = \_\_\_\_\_

6. 85 = \_\_\_\_\_

7. 93 = \_\_\_\_\_

8. 112 = \_\_\_\_\_

9. 77 = \_\_\_\_\_

10. 430 = \_\_\_\_\_

11. 383 = \_\_\_\_\_

12. 187 = \_\_\_\_\_

13. 82 = \_\_\_\_\_

14. 208 = \_\_\_\_\_

15. 36 = \_\_\_\_\_

16. 68 = \_\_\_\_\_

17. 276 = \_\_\_\_\_

18. 350 = \_\_\_\_\_

19. 75 = \_\_\_\_\_

20. 99 = \_\_\_\_\_

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# 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.  $304 = \underline{2 \times 2 \times 2 \times 2 \times 19}$  (No)

2.  $287 = \underline{7 \times 41}$  (No)

3.  $414 = \underline{2 \times 3 \times 3 \times 23}$  (No)

4.  $96 = \underline{2 \times 2 \times 2 \times 2 \times 2 \times 3}$  (No)

5.  $247 = \underline{13 \times 19}$  (No)

6.  $85 = \underline{5 \times 17}$  (No)

7.  $93 = \underline{3 \times 31}$  (No)

8.  $112 = \underline{2 \times 2 \times 2 \times 2 \times 7}$  (No)

9.  $77 = \underline{7 \times 11}$  (No)

10.  $430 = \underline{2 \times 5 \times 43}$  (No)

11.  $383 = \underline{383}$  (Yes)

12.  $187 = \underline{11 \times 17}$  (No)

13.  $82 = \underline{2 \times 41}$  (No)

14.  $208 = \underline{2 \times 2 \times 2 \times 2 \times 13}$  (No)

15.  $36 = \underline{2 \times 2 \times 3 \times 3}$  (No)

16.  $68 = \underline{2 \times 2 \times 17}$  (No)

17.  $276 = \underline{2 \times 2 \times 3 \times 23}$  (No)

18.  $350 = \underline{2 \times 5 \times 5 \times 7}$  (No)

19.  $75 = \underline{3 \times 5 \times 5}$  (No)

20.  $99 = \underline{3 \times 3 \times 11}$  (No)