

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. 39 = _____ 2. 50 = _____

3. 73 = _____ 4. 9 = _____

5. 63 = _____ 6. 8 = _____

7. 4 = _____ 8. 6 = _____

9. 36 = _____ 10. 5 = _____

11. 7 = _____ 12. 3 = _____

13. 20 = _____ 14. 80 = _____

15. 48 = _____ 16. 18 = _____

17. 56 = _____ 18. 1 = _____

19. 31 = _____ 20. 19 = _____

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. $39 = 3 \times 13$ (No)

2. $50 = 2 \times 5 \times 5$ (No)

3. $73 = 73$ (Yes)

4. $9 = 3 \times 3$ (No)

5. $63 = 3 \times 3 \times 7$ (No)

6. $8 = 2 \times 2 \times 2$ (No)

7. $4 = 2 \times 2$ (No)

8. $6 = 2 \times 3$ (No)

9. $36 = 2 \times 2 \times 3 \times 3$ (No)

10. $5 = 5$ (Yes)

11. $7 = 7$ (Yes)

12. $3 = 3$ (Yes)

13. $20 = 2 \times 2 \times 5$ (No)

14. $80 = 2 \times 2 \times 2 \times 2 \times 5$ (No)

15. $48 = 2 \times 2 \times 2 \times 2 \times 3$ (No)

16. $18 = 2 \times 3 \times 3$ (No)

17. $56 = 2 \times 2 \times 2 \times 7$ (No)

18. $1 = 1$ (No)

19. $31 = 31$ (Yes)

20. $19 = 19$ (Yes)