

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. 20 = _____ 2. 6 = _____

3. 69 = _____ 4. 42 = _____

5. 3 = _____ 6. 87 = _____

7. 94 = _____ 8. 68 = _____

9. 50 = _____ 10. 2 = _____

11. 1 = _____ 12. 8 = _____

13. 83 = _____ 14. 7 = _____

15. 73 = _____ 16. 4 = _____

17. 5 = _____ 18. 72 = _____

19. 47 = _____ 20. 96 = _____

Name: _____



Which Numbers are Prime Numbers?

For Example: 3 (Yes) 9 3×3 (No)

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

1. $20 = 2 \times 2 \times 5$ (No) 2. $6 = 2 \times 3$ (No)

3. $69 = 3 \times 23$ (No) 4. $42 = 2 \times 3 \times 7$ (No)

5. $3 = 3$ (Yes) 6. $87 = 3 \times 29$ (No)

7. $94 = 2 \times 47$ (No) 8. $68 = 2 \times 2 \times 17$ (No)

9. $50 = 2 \times 5 \times 5$ (No) 10. $2 = 2$ (Yes)

11. $1 = 1$ (No) 12. $8 = 2 \times 2 \times 2$ (No)

13. $83 = 83$ (Yes) 14. $7 = 7$ (Yes)

15. $73 = 73$ (Yes) 16. $4 = 2 \times 2$ (No)

17. $5 = 5$ (Yes) 18. $72 = 2 \times 2 \times 2 \times 3 \times 3$ (No)

19. $47 = 47$ (Yes) 20. $96 = 2 \times 2 \times 2 \times 2 \times 2 \times 3$ (No)