

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. 52 = _____ 2. 74 = _____

3. 35 = _____ 4. 9 = _____

5. 7 = _____ 6. 2 = _____

7. 6 = _____ 8. 59 = _____

9. 98 = _____ 10. 4 = _____

11. 8 = _____ 12. 93 = _____

13. 94 = _____ 14. 80 = _____

15. 28 = _____ 16. 21 = _____

17. 3 = _____ 18. 5 = _____

19. 16 = _____ 20. 39 = _____

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. $52 = 2 \times 2 \times 13$ (No) 2. $74 = 2 \times 37$ (No)

3. $35 = 5 \times 7$ (No) 4. $9 = 3 \times 3$ (No)

5. $7 = 7$ (Yes) 6. $2 = 2$ (Yes)

7. $6 = 2 \times 3$ (No) 8. $59 = 59$ (Yes)

9. $98 = 2 \times 7 \times 7$ (No) 10. $4 = 2 \times 2$ (No)

11. $8 = 2 \times 2 \times 2$ (No) 12. $93 = 3 \times 31$ (No)

13. $94 = 2 \times 47$ (No) 14. $80 = 2 \times 2 \times 2 \times 2 \times 5$ (No)

15. $28 = 2 \times 2 \times 7$ (No) 16. $21 = 3 \times 7$ (No)

17. $3 = 3$ (Yes) 18. $5 = 5$ (Yes)

19. $16 = 2 \times 2 \times 2 \times 2$ (No) 20. $39 = 3 \times 13$ (No)