

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. $56 =$ _____ 2. $58 =$ _____

3. $2 =$ _____ 4. $156 =$ _____

5. $125 =$ _____ 6. $1 =$ _____

7. $168 =$ _____ 8. $33 =$ _____

9. $93 =$ _____ 10. $88 =$ _____

11. $4 =$ _____ 12. $8 =$ _____

13. $41 =$ _____ 14. $67 =$ _____

15. $54 =$ _____ 16. $153 =$ _____

17. $9 =$ _____ 18. $3 =$ _____

19. $285 =$ _____ 20. $117 =$ _____

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

2. $58 = 2 \times 29$ (No)

3. $2 = 2$ (Yes)

4. $156 = 2 \times 2 \times 3 \times 13$ (No)

5. $125 = 5 \times 5 \times 5$ (No)

6. $1 = 1$ (No)

7. $168 = 2 \times 2 \times 2 \times 3 \times 7$ (No)

8. $33 = 3 \times 11$ (No)

9. $93 = 3 \times 31$ (No)

10. $88 = 2 \times 2 \times 2 \times 11$ (No)

11. $4 = 2 \times 2$ (No)

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

13. $41 = 41$ (Yes)

14. $67 = 67$ (Yes)

15. $54 = 2 \times 3 \times 3 \times 3$ (No)

16. $153 = 3 \times 3 \times 17$ (No)

17. $9 = 3 \times 3$ (No)

18. $3 = 3$ (Yes)

19. $285 = 3 \times 5 \times 19$ (No)

20. $117 = 3 \times 3 \times 13$ (No)