

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

1. $48 = 2 \times 2 \times 2 \times 2 \times 3$ (No)

2. $81 = 3 \times 3 \times 3 \times 3$ (No)

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

4. $3 = 3$ (Yes)

5. $14 = 2 \times 7$ (No)

6. $32 = 2 \times 2 \times 2 \times 2 \times 2$ (No)

7. $62 = 2 \times 31$ (No)

8. $39 = 3 \times 13$ (No)

9. $11 = 11$ (Yes)

10. $7 = 7$ (Yes)

11. $70 = 2 \times 5 \times 7$ (No)

12. $85 = 5 \times 17$ (No)

13. $1 = 1$ (No)

14. $77 = 7 \times 11$ (No)

15. $68 = 2 \times 2 \times 17$ (No)

16. $74 = 2 \times 37$ (No)

17. $93 = 3 \times 31$ (No)

18. $60 = 2 \times 2 \times 3 \times 5$ (No)

19. $5 = 5$ (Yes)

20. $75 = 3 \times 5 \times 5$ (No)

21. $2 = 2$ (Yes)

22. $64 = 2 \times 2 \times 2 \times 2 \times 2 \times 2$ (No)

23. $95 = 5 \times 19$ (No)

24. $51 = 3 \times 17$ (No)

25. $54 = 2 \times 3 \times 3 \times 3$ (No)

26. $31 = 31$ (Yes)

27. $49 = 7 \times 7$ (No)

28. $43 = 43$ (Yes)

29. $42 = 2 \times 3 \times 7$ (No)

30. $8 = 2 \times 2 \times 2$ (No)