

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

1. $1 = \underline{1 \text{ (No)}}$

2. $47 = \underline{47 \text{ (Yes)}}$

3. $72 = \underline{2 \times 2 \times 2 \times 3 \times 3 \text{ (No)}}$

4. $34 = \underline{2 \times 17 \text{ (No)}}$

5. $4 = \underline{2 \times 2 \text{ (No)}}$

6. $51 = \underline{3 \times 17 \text{ (No)}}$

7. $77 = \underline{7 \times 11 \text{ (No)}}$

8. $12 = \underline{2 \times 2 \times 3 \text{ (No)}}$

9. $96 = \underline{2 \times 2 \times 2 \times 2 \times 2 \times 3 \text{ (No)}}$

10. $54 = \underline{2 \times 3 \times 3 \times 3 \text{ (No)}}$

11. $7 = \underline{7 \text{ (Yes)}}$

12. $5 = \underline{5 \text{ (Yes)}}$

13. $8 = \underline{2 \times 2 \times 2 \text{ (No)}}$

14. $3 = \underline{3 \text{ (Yes)}}$

15. $31 = \underline{31 \text{ (Yes)}}$

16. $21 = \underline{3 \times 7 \text{ (No)}}$

17. $69 = \underline{3 \times 23 \text{ (No)}}$

18. $6 = \underline{2 \times 3 \text{ (No)}}$

19. $2 = \underline{2 \text{ (Yes)}}$

20. $90 = \underline{2 \times 3 \times 3 \times 5 \text{ (No)}}$

21. $45 = \underline{3 \times 3 \times 5 \text{ (No)}}$

22. $44 = \underline{2 \times 2 \times 11 \text{ (No)}}$

23. $87 = \underline{3 \times 29 \text{ (No)}}$

24. $71 = \underline{71 \text{ (Yes)}}$

25. $9 = \underline{3 \times 3 \text{ (No)}}$

26. $41 = \underline{41 \text{ (Yes)}}$

27. $42 = \underline{2 \times 3 \times 7 \text{ (No)}}$

28. $59 = \underline{59 \text{ (Yes)}}$

29. $33 = \underline{3 \times 11 \text{ (No)}}$

30. $10 = \underline{2 \times 5 \text{ (No)}}$