

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

1. $5 = \underline{5 \text{ (Yes)}}$

2. $1 = \underline{1 \text{ (No)}}$

3. $2 = \underline{2 \text{ (Yes)}}$

4. $60 = \underline{2 \times 2 \times 3 \times 5 \text{ (No)}}$

5. $8 = \underline{2 \times 2 \times 2 \text{ (No)}}$

6. $90 = \underline{2 \times 3 \times 3 \times 5 \text{ (No)}}$

7. $25 = \underline{5 \times 5 \text{ (No)}}$

8. $78 = \underline{2 \times 3 \times 13 \text{ (No)}}$

9. $7 = \underline{7 \text{ (Yes)}}$

10. $4 = \underline{2 \times 2 \text{ (No)}}$

11. $62 = \underline{2 \times 31 \text{ (No)}}$

12. $85 = \underline{5 \times 17 \text{ (No)}}$

13. $48 = \underline{2 \times 2 \times 2 \times 2 \times 3 \text{ (No)}}$

14. $36 = \underline{2 \times 2 \times 3 \times 3 \text{ (No)}}$

15. $33 = \underline{3 \times 11 \text{ (No)}}$

16. $30 = \underline{2 \times 3 \times 5 \text{ (No)}}$

17. $82 = \underline{2 \times 41 \text{ (No)}}$

18. $27 = \underline{3 \times 3 \times 3 \text{ (No)}}$

19. $64 = \underline{2 \times 2 \times 2 \times 2 \times 2 \times 2 \text{ (No)}}$

20. $75 = \underline{3 \times 5 \times 5 \text{ (No)}}$

21. $83 = \underline{83 \text{ (Yes)}}$

22. $29 = \underline{29 \text{ (Yes)}}$

23. $57 = \underline{3 \times 19 \text{ (No)}}$

24. $9 = \underline{3 \times 3 \text{ (No)}}$

25. $67 = \underline{67 \text{ (Yes)}}$

26. $45 = \underline{3 \times 3 \times 5 \text{ (No)}}$

27. $22 = \underline{2 \times 11 \text{ (No)}}$

28. $14 = \underline{2 \times 7 \text{ (No)}}$

29. $88 = \underline{2 \times 2 \times 2 \times 11 \text{ (No)}}$

30. $3 = \underline{3 \text{ (Yes)}}$