

Name: _____

Class: _____

Prime numbers

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

1. $5 =$ _____ 2. $77 =$ _____

3. $9 =$ _____ 4. $71 =$ _____

5. $4 =$ _____ 6. $2 =$ _____

7. $7 =$ _____ 8. $87 =$ _____

9. $88 =$ _____ 10. $66 =$ _____

11. $79 =$ _____ 12. $98 =$ _____

13. $80 =$ _____ 14. $10 =$ _____

15. $6 =$ _____ 16. $15 =$ _____

17. $60 =$ _____ 18. $22 =$ _____

19. $94 =$ _____ 20. $40 =$ _____

21. $16 =$ _____ 22. $3 =$ _____

23. $52 =$ _____ 24. $35 =$ _____

25. $33 =$ _____ 26. $96 =$ _____

27. $20 =$ _____ 28. $37 =$ _____

29. $11 =$ _____ 30. $68 =$ _____

31. $89 =$ _____ 32. $1 =$ _____

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Prime numbers

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

- | | |
|---|--|
| 1. $5 = \underline{5 \text{ (Yes)}}$ | 2. $77 = \underline{7 \times 11 \text{ (No)}}$ |
| 3. $9 = \underline{3 \times 3 \text{ (No)}}$ | 4. $71 = \underline{71 \text{ (Yes)}}$ |
| 5. $4 = \underline{2 \times 2 \text{ (No)}}$ | 6. $2 = \underline{2 \text{ (Yes)}}$ |
| 7. $7 = \underline{7 \text{ (Yes)}}$ | 8. $87 = \underline{3 \times 29 \text{ (No)}}$ |
| 9. $88 = \underline{2 \times 2 \times 2 \times 11 \text{ (No)}}$ | 10. $66 = \underline{2 \times 3 \times 11 \text{ (No)}}$ |
| 11. $79 = \underline{79 \text{ (Yes)}}$ | 12. $98 = \underline{2 \times 7 \times 7 \text{ (No)}}$ |
| 13. $80 = \underline{2 \times 2 \times 2 \times 2 \times 5 \text{ (No)}}$ | 14. $10 = \underline{2 \times 5 \text{ (No)}}$ |
| 15. $6 = \underline{2 \times 3 \text{ (No)}}$ | 16. $15 = \underline{3 \times 5 \text{ (No)}}$ |
| 17. $60 = \underline{2 \times 2 \times 3 \times 5 \text{ (No)}}$ | 18. $22 = \underline{2 \times 11 \text{ (No)}}$ |
| 19. $94 = \underline{2 \times 47 \text{ (No)}}$ | 20. $40 = \underline{2 \times 2 \times 2 \times 5 \text{ (No)}}$ |
| 21. $16 = \underline{2 \times 2 \times 2 \times 2 \text{ (No)}}$ | 22. $3 = \underline{3 \text{ (Yes)}}$ |
| 23. $52 = \underline{2 \times 2 \times 13 \text{ (No)}}$ | 24. $35 = \underline{5 \times 7 \text{ (No)}}$ |
| 25. $33 = \underline{3 \times 11 \text{ (No)}}$ | 26. $96 = \underline{2 \times 2 \times 2 \times 2 \times 2 \times 3 \text{ (No)}}$ |
| 27. $20 = \underline{2 \times 2 \times 5 \text{ (No)}}$ | 28. $37 = \underline{37 \text{ (Yes)}}$ |
| 29. $11 = \underline{11 \text{ (Yes)}}$ | 30. $68 = \underline{2 \times 2 \times 17 \text{ (No)}}$ |
| 31. $89 = \underline{89 \text{ (Yes)}}$ | 32. $1 = \underline{1 \text{ (No)}}$ |