

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. 160 = _____

2. 43 = _____

3. 34 = _____

4. 86 = _____

5. 273 = _____

6. 69 = _____

7. 353 = _____

8. 174 = _____

9. 346 = _____

10. 25 = _____

11. 188 = _____

12. 240 = _____

13. 66 = _____

14. 82 = _____

15. 95 = _____

16. 425 = _____

17. 100 = _____

18. 79 = _____

19. 74 = _____

20. 39 = _____

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. $160 = \underline{2 \times 2 \times 2 \times 2 \times 2 \times 5}$ (No)

2. $43 = \underline{43}$ (Yes)

3. $34 = \underline{2 \times 17}$ (No)

4. $86 = \underline{2 \times 43}$ (No)

5. $273 = \underline{3 \times 7 \times 13}$ (No)

6. $69 = \underline{3 \times 23}$ (No)

7. $353 = \underline{353}$ (Yes)

8. $174 = \underline{2 \times 3 \times 29}$ (No)

9. $346 = \underline{2 \times 173}$ (No)

10. $25 = \underline{5 \times 5}$ (No)

11. $188 = \underline{2 \times 2 \times 47}$ (No)

12. $240 = \underline{2 \times 2 \times 2 \times 2 \times 3 \times 5}$ (No)

13. $66 = \underline{2 \times 3 \times 11}$ (No)

14. $82 = \underline{2 \times 41}$ (No)

15. $95 = \underline{5 \times 19}$ (No)

16. $425 = \underline{5 \times 5 \times 17}$ (No)

17. $100 = \underline{2 \times 2 \times 5 \times 5}$ (No)

18. $79 = \underline{79}$ (Yes)

19. $74 = \underline{2 \times 37}$ (No)

20. $39 = \underline{3 \times 13}$ (No)