

Factoring numbers (1-100) to prime factors

Grade 6 Factoring Worksheet

Factor the following numbers to their prime factors. Is the number prime?

1. $15 =$ _____ 2. $27 =$ _____

3. $67 =$ _____ 4. $77 =$ _____

5. $70 =$ _____ 6. $72 =$ _____

7. $14 =$ _____ 8. $59 =$ _____

9. $74 =$ _____ 10. $57 =$ _____

11. $92 =$ _____ 12. $8 =$ _____

13. $76 =$ _____ 14. $91 =$ _____

15. $6 =$ _____ 16. $44 =$ _____

17. $7 =$ _____ 18. $23 =$ _____

19. $0 =$ _____ 20. $83 =$ _____

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Factor the following numbers to their prime factors. Is the number prime?

1. $15 = 3 \times 5$ (No) _____

2. $27 = 3 \times 3 \times 3$ (No) _____

3. $67 = 67$ (Yes) _____

4. $77 = 7 \times 11$ (No) _____

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

6. $72 = 2 \times 2 \times 2 \times 3 \times 3$ (No) _____

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

8. $59 = 59$ (Yes) _____

9. $74 = 2 \times 37$ (No) _____

10. $57 = 3 \times 19$ (No) _____

11. $92 = 2 \times 2 \times 23$ (No) _____

12. $8 = 2 \times 2 \times 2$ (No) _____

13. $76 = 2 \times 2 \times 19$ (No) _____

14. $91 = 7 \times 13$ (No) _____

15. $6 = 2 \times 3$ (No) _____

16. $44 = 2 \times 2 \times 11$ (No) _____

17. $7 = 7$ (Yes) _____

18. $23 = 23$ (Yes) _____

19. $0 = 0$ (No) _____

20. $83 = 83$ (Yes) _____