

Factoring numbers (1-100) to prime factors

Grade 6 Factoring Worksheet

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

1. $98 =$ _____ 2. $40 =$ _____

3. $83 =$ _____ 4. $2 =$ _____

5. $87 =$ _____ 6. $46 =$ _____

7. $80 =$ _____ 8. $89 =$ _____

9. $53 =$ _____ 10. $50 =$ _____

11. $69 =$ _____ 12. $82 =$ _____

13. $67 =$ _____ 14. $76 =$ _____

15. $49 =$ _____ 16. $32 =$ _____

17. $47 =$ _____ 18. $3 =$ _____

19. $94 =$ _____ 20. $9 =$ _____

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

1. $98 = 2 \times 7 \times 7$ (No) _____

2. $40 = 2 \times 2 \times 2 \times 5$ (No) _____

3. $83 = 83$ (Yes) _____

4. $2 = 2$ (Yes) _____

5. $87 = 3 \times 29$ (No) _____

6. $46 = 2 \times 23$ (No) _____

7. $80 = 2 \times 2 \times 2 \times 2 \times 5$ (No) _____

8. $89 = 89$ (Yes) _____

9. $53 = 53$ (Yes) _____

10. $50 = 2 \times 5 \times 5$ (No) _____

11. $69 = 3 \times 23$ (No) _____

12. $82 = 2 \times 41$ (No) _____

13. $67 = 67$ (Yes) _____

14. $76 = 2 \times 2 \times 19$ (No) _____

15. $49 = 7 \times 7$ (No) _____

16. $32 = 2 \times 2 \times 2 \times 2 \times 2$ (No) _____

17. $47 = 47$ (Yes) _____

18. $3 = 3$ (Yes) _____

19. $94 = 2 \times 47$ (No) _____

20. $9 = 3 \times 3$ (No) _____