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 = _____

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 = $2 \times 7 \times 7$ (No)   2. 40 = $2 \times 2 \times 2 \times 5$ (No)

3. 83 = 83 (Yes)   4. 2 = 2 (Yes)

5. 87 = 3×29 (No)   6. 46 = 2×23 (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 = 3×23 (No)   12. 82 = 2×41 (No)

13. 67 = 67 (Yes)   14. 76 = $2 \times 2 \times 19$ (No)

15. 49 = 7×7 (No)   16. 32 = $2 \times 2 \times 2 \times 2 \times 2$ (No)

17. 47 = 47 (Yes)   18. 3 = 3 (Yes)

19. 94 = 2×47 (No)   20. 9 = 3×3 (No)