

Factoring numbers (1-100) to prime factors

Grade 6 Factoring Worksheet

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

1. $44 =$ _____ 2. $25 =$ _____

3. $20 =$ _____ 4. $69 =$ _____

5. $17 =$ _____ 6. $29 =$ _____

7. $66 =$ _____ 8. $26 =$ _____

9. $76 =$ _____ 10. $42 =$ _____

11. $7 =$ _____ 12. $11 =$ _____

13. $67 =$ _____ 14. $1 =$ _____

15. $52 =$ _____ 16. $99 =$ _____

17. $74 =$ _____ 18. $10 =$ _____

19. $64 =$ _____ 20. $54 =$ _____

Factoring numbers (1-100) to prime factors

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

1. $44 = 2 \times 2 \times 11$ (No)

2. $25 = 5 \times 5$ (No)

3. $20 = 2 \times 2 \times 5$ (No)

4. $69 = 3 \times 23$ (No)

5. $17 = 17$ (Yes)

6. $29 = 29$ (Yes)

7. $66 = 2 \times 3 \times 11$ (No)

8. $26 = 2 \times 13$ (No)

9. $76 = 2 \times 2 \times 19$ (No)

10. $42 = 2 \times 3 \times 7$ (No)

11. $7 = 7$ (Yes)

12. $11 = 11$ (Yes)

13. $67 = 67$ (Yes)

14. $1 = 1$ (No)

15. $52 = 2 \times 2 \times 13$ (No)

16. $99 = 3 \times 3 \times 11$ (No)

17. $74 = 2 \times 37$ (No)

18. $10 = 2 \times 5$ (No)

19. $64 = 2 \times 2 \times 2 \times 2 \times 2$ (No)

20. $54 = 2 \times 3 \times 3 \times 3$ (No)