



Factoring numbers (1-100) to prime factors

Grade 6 Factoring Worksheet

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

1. $68 =$ _____ 2. $25 =$ _____

3. $40 =$ _____ 4. $28 =$ _____

5. $80 =$ _____ 6. $45 =$ _____

7. $79 =$ _____ 8. $13 =$ _____

9. $12 =$ _____ 10. $3 =$ _____

11. $34 =$ _____ 12. $88 =$ _____

13. $38 =$ _____ 14. $8 =$ _____

15. $98 =$ _____ 16. $67 =$ _____

17. $84 =$ _____ 18. $0 =$ _____

19. $18 =$ _____ 20. $31 =$ _____

Factoring numbers (1-100) to prime factors

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

1. $68 = 2 \times 2 \times 17$ (No) 2. $25 = 5 \times 5$ (No)

3. $40 = 2 \times 2 \times 2 \times 5$ (No) 4. $28 = 2 \times 2 \times 7$ (No)

5. $80 = 2 \times 2 \times 2 \times 2 \times 5$ (No) 6. $45 = 3 \times 3 \times 5$ (No)

7. $79 = 79$ (Yes) 8. $13 = 13$ (Yes)

9. $12 = 2 \times 2 \times 3$ (No) 10. $3 = 3$ (Yes)

11. $34 = 2 \times 17$ (No) 12. $88 = 2 \times 2 \times 2 \times 11$ (No)

13. $38 = 2 \times 19$ (No) 14. $8 = 2 \times 2 \times 2$ (No)

15. $98 = 2 \times 7 \times 7$ (No) 16. $67 = 67$ (Yes)

17. $84 = 2 \times 2 \times 3 \times 7$ (No) 18. $0 = 0$ (No)

19. $18 = 2 \times 3 \times 3$ (No) 20. $31 = 31$ (Yes)