



Factoring numbers (1-100) to prime factors

Grade 6 Factoring Worksheet

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

1. $59 =$ _____ 2. $31 =$ _____

3. $85 =$ _____ 4. $36 =$ _____

5. $3 =$ _____ 6. $45 =$ _____

7. $61 =$ _____ 8. $57 =$ _____

9. $37 =$ _____ 10. $23 =$ _____

11. $2 =$ _____ 12. $4 =$ _____

13. $97 =$ _____ 14. $35 =$ _____

15. $74 =$ _____ 16. $8 =$ _____

17. $91 =$ _____ 18. $12 =$ _____

19. $86 =$ _____ 20. $33 =$ _____



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

1. $59 = \underline{59 \text{ (Yes)}}$ 2. $31 = \underline{31 \text{ (Yes)}}$

3. $85 = \underline{5 \times 17 \text{ (No)}}$ 4. $36 = \underline{2 \times 2 \times 3 \times 3 \text{ (No)}}$

5. $3 = \underline{3 \text{ (Yes)}}$ 6. $45 = \underline{3 \times 3 \times 5 \text{ (No)}}$

7. $61 = \underline{61 \text{ (Yes)}}$ 8. $57 = \underline{3 \times 19 \text{ (No)}}$

9. $37 = \underline{37 \text{ (Yes)}}$ 10. $23 = \underline{23 \text{ (Yes)}}$

11. $2 = \underline{2 \text{ (Yes)}}$ 12. $4 = \underline{2 \times 2 \text{ (No)}}$

13. $97 = \underline{97 \text{ (Yes)}}$ 14. $35 = \underline{5 \times 7 \text{ (No)}}$

15. $74 = \underline{2 \times 37 \text{ (No)}}$ 16. $8 = \underline{2 \times 2 \times 2 \text{ (No)}}$

17. $91 = \underline{7 \times 13 \text{ (No)}}$ 18. $12 = \underline{2 \times 2 \times 3 \text{ (No)}}$

19. $86 = \underline{2 \times 43 \text{ (No)}}$ 20. $33 = \underline{3 \times 11 \text{ (No)}}$