

Factoring numbers (<500) to prime factors

Grade 6 Factoring Worksheet

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

1. $162 =$ _____ 2. $247 =$ _____

3. $401 =$ _____ 4. $205 =$ _____

5. $373 =$ _____ 6. $194 =$ _____

7. $40 =$ _____ 8. $354 =$ _____

9. $281 =$ _____ 10. $69 =$ _____

11. $133 =$ _____ 12. $92 =$ _____

13. $450 =$ _____ 14. $436 =$ _____

15. $367 =$ _____ 16. $192 =$ _____

17. $190 =$ _____ 18. $94 =$ _____

19. $118 =$ _____ 20. $112 =$ _____

Factoring numbers (<500) to prime factors

Grade 6 Factoring Worksheet

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

1. $162 = 2 \times 3 \times 3 \times 3 \times 3$ (No) 2. $247 = 13 \times 19$ (No)

3. $401 = 401$ (Yes) 4. $205 = 5 \times 41$ (No)

5. $373 = 373$ (Yes) 6. $194 = 2 \times 97$ (No)

7. $40 = 2 \times 2 \times 2 \times 5$ (No) 8. $354 = 2 \times 3 \times 59$ (No)

9. $281 = 281$ (Yes) 10. $69 = 3 \times 23$ (No)

11. $133 = 7 \times 19$ (No) 12. $92 = 2 \times 2 \times 23$ (No)

13. $450 = 2 \times 3 \times 3 \times 5 \times 5$ (No) 14. $436 = 2 \times 2 \times 109$ (No)

15. $367 = 367$ (Yes) 16. $192 = 2 \times 2 \times 2 \times 2 \times 2 \times 3$ (No)

17. $190 = 2 \times 5 \times 19$ (No) 18. $94 = 2 \times 47$ (No)

19. $118 = 2 \times 59$ (No) 20. $112 = 2 \times 2 \times 2 \times 2 \times 7$ (No)