



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. $162 = \underline{2 \times 3 \times 3 \times 3 \times 3}$ (No) 2. $247 = \underline{13 \times 19}$ (No)

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

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

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

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

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

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

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

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

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