

Comprehensive CFU Worksheet for Factors, Multiples, Order of Operations and Exponents

Section A: Factors and Multiples (14 Questions)

1. Is 648 divisible by 9?
 2. Find all prime factors of 90 using a factor tree.
 3. Find the greatest common factor (GCF) of 36 and 54 using prime factorization.
 4. Find the least common multiple (LCM) of 8 and 12.
 5. Is 245 divisible by 5?
 6. Using a factor tree, write the prime factorization of 84.
 7. Is 1,230 divisible by 3?
 8. Find the HCF of 48 and 60 by listing factors.
 9. Find the LCM of 7 and 14.
 10. Write the prime factorization of 150 and list its factors.
 11. Is 210 divisible by 7?
 12. Find the prime factors of 72 using a factor tree.
 13. Find the LCM of 9, 12, and 15.
 14. Find the HCF of 24, 36, and 60 using prime factorization.
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Section B: Order of Operations (10 Questions)

15. Calculate: $8 + 6 \times (5 - 3)$
 16. Solve: $(12 \div 4) \times (2 + 3)$
 17. Calculate: $25 - 4^2 + 6$
 18. Find the value of: $(18 - 2) \times 3 + 5$
 19. Solve: $100 \div (5 \times 4) + 7$
 20. Calculate: $(6 + 2) \times (3^2 - 4)$
 21. Find: $36 \div 6 + 3 \times 5$
 22. Calculate: $(45 - 15) \div 3 + 2^3$
 23. Find the value of: $50 - (4 \times 5) + 3^2$
 24. Solve: $(8 \times 3) + 12 \div (2 + 4)$
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Section C: Exponents (6 Questions)

25. Find the square of 35.
26. Calculate 12^2 .
27. What is 102^2 ?
28. Write the cubes of 2 and 4 from memory.
29. Calculate 2^6 by doubling repeatedly.
30. Find the square of 95.