



Secret Code Breaker: Number Patterns



You're a top agent! Find the rule for each sequence to crack the code.

Part 1: Find the Rule

1. 2, 4, 6, 8, 10. Rule: _____

2. 10, 20, 30, 40, 50. Rule: _____

3. 15, 12, 9, 6, 3. Rule: _____

4. 5, 10, 15, 20, 25. Rule: _____

5. 100, 90, 80, 70, 60. Rule: _____

Part 2: Complete the Sequence

6. 3, 6, 9, _____, _____, 18

7. 44, 33, 22, _____, _____

8. 1, 2, 4, 8, _____, _____ (Hint: Tricky!)

9. 50, 45, 40, ____, ____, 25

10. 7, 14, 21, ____, ____, 42

Part 3: Code-Breaking Puzzles

11. A pattern starts at 5 and the rule is "add 3". What are the first five numbers? _____

12. A pattern starts at 20 and the rule is "subtract 4". What are the first five numbers? _____

13. What is the next even number after 98? _____

14. What is the next odd number after 101? _____

15. Look at the pattern: 101, 202, 303... What is the next number?

Answer Key

1. Add 2 | 2. Add 10 | 3. Subtract 3 | 4. Add 5 | 5. Subtract 10 | 6. 12, 15 | 7. 11, 0 | 8. 16, 32 (doubling) | 9. 35, 30 | 10. 28, 35 | 11. 5, 8, 11, 14, 17 | 12. 20, 16, 12, 8, 4 | 13. 100 | 14. 103 | 15. 404