Find the rule

Look at what goes in and what comes out. Find the rule, then use it.

Name: _____

Score: _____ / 10

1. 1 → 9, 7 → 39, 8 → 44, 15 → _____ Rule: _____
2. 4 → 18, 5 → 23, 7 → 33, 11 → _____ Rule: _____
3. 2 → 4, 6 → 12, 8 → 16, 11 → _____ Rule: _____
4. 2 → 11, 6 → 19, 7 → 21, 19 → _____ Rule: _____
5. 4 → 16, 5 → 20, 9 → 36, 11 → _____ Rule: _____
6. 1 → 4, 2 → 6, 4 → 10, 16 → _____ Rule: _____
7. 4 → 18, 7 → 33, 9 → 43, 11 → _____ Rule: _____
8. 1 → 10, 4 → 25, 9 → 50, 15 → _____ Rule: _____
9. 2 → 13, 5 → 28, 6 → 33, 13 → _____ Rule: _____
10. 1 → 7, 4 → 22, 9 → 47, 12 → _____ Rule: _____

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Answer key: Find the rule

1. Rule: × 5 + 4, so 15 → 79
2. Rule: × 5 − 2, so 11 → 53
3. Rule: × 2, so 11 → 22
4. Rule: × 2 + 7, so 19 → 45
5. Rule: × 4, so 11 → 44
6. Rule: × 2 + 2, so 16 → 34
7. Rule: × 5 − 2, so 11 → 53
8. Rule: × 5 + 5, so 15 → 80
9. Rule: × 5 + 3, so 13 → 68
10. Rule: × 5 + 2, so 12 → 62