Find the rule

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

Name: _____

Score: _____ / 10

1. 4 → 21, 5 → 25, 6 → 29, 13 → _____ Rule: _____
2. 4 → 12, 6 → 16, 7 → 18, 11 → _____ Rule: _____
3. 5 → 26, 6 → 31, 7 → 36, 13 → _____ Rule: _____
4. 1 → 9, 8 → 23, 9 → 25, 17 → _____ Rule: _____
5. 1 → 6, 2 → 10, 8 → 34, 13 → _____ Rule: _____
6. 2 → 11, 4 → 15, 6 → 19, 11 → _____ Rule: _____
7. 3 → 15, 5 → 23, 7 → 31, 16 → _____ Rule: _____
8. 2 → 15, 6 → 31, 8 → 39, 14 → _____ Rule: _____
9. 4 → 14, 6 → 18, 7 → 20, 13 → _____ Rule: _____
10. 5 → 27, 7 → 35, 9 → 43, 14 → _____ Rule: _____

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Answer key: Find the rule

1. Rule: × 4 + 5, so 13 → 57
2. Rule: × 2 + 4, so 11 → 26
3. Rule: × 5 + 1, so 13 → 66
4. Rule: × 2 + 7, so 17 → 41
5. Rule: × 4 + 2, so 13 → 54
6. Rule: × 2 + 7, so 11 → 29
7. Rule: × 4 + 3, so 16 → 67
8. Rule: × 4 + 7, so 14 → 63
9. Rule: × 2 + 6, so 13 → 32
10. Rule: × 4 + 7, so 14 → 63