Find the rule

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

Name: _____

Score: _____ / 10

1. 1 → 11, 5 → 31, 8 → 46, 17 → _____ Rule: _____

2. 5 → 23, 7 → 31, 8 → 35, 13 → _____ Rule: _____

3. 3 → 12, 5 → 20, 9 → 36, 17 → _____ Rule: _____

4. 2 → 1, 3 → 3, 7 → 11, 19 → _____ Rule: _____

5. 5 → 30, 6 → 35, 7 → 40, 19 → _____ Rule: _____

6. 2 → 8, 4 → 18, 5 → 23, 13 → _____ Rule: _____

7. 3 → 12, 4 → 16, 8 → 32, 19 → _____ Rule: _____

8. 4 → 18, 8 → 34, 9 → 38, 15 → _____ Rule: _____

9. 2 → 5, 6 → 21, 9 → 33, 11 → _____ Rule: _____

10. 1 → 7, 2 → 10, 5 → 19, 13 → _____ Rule: _____

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Answer key: Find the rule

1. Rule: × 5 + 6, so 17 → 91
2. Rule: × 4 + 3, so 13 → 55
3. Rule: × 4, so 17 → 68
4. Rule: × 2 − 3, so 19 → 35
5. Rule: × 5 + 5, so 19 → 100
6. Rule: × 5 − 2, so 13 → 63
7. Rule: × 4, so 19 → 76
8. Rule: × 4 + 2, so 15 → 62
9. Rule: × 4 − 3, so 11 → 41
10. Rule: × 3 + 4, so 13 → 43

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