



Name: _____

Date: _____

Algebra 1 – Unit 2 – Inputs and Outputs (Medium)

1. Input: 6, Rule: multiply by 4 then add 3, Output: ?
2. Input: 7, Rule: multiply by 5 then add 3, Output: ?
3. Input: 7, Rule: multiply by 3 then add 5, Output: ?
4. Input: 5, Rule: multiply by 2 then add 3, Output: ?
5. Input: 6, Rule: multiply by 5 then add 4, Output: ?
6. Input: 2, Rule: multiply by 3 then add 4, Output: ?
7. Input: 6, Rule: multiply by 5 then add 6, Output: ?
8. Input: 4, Rule: multiply by 2 then add 3, Output: ?
9. Input: 8, Rule: multiply by 3 then add 3, Output: ?
10. Input: 5, Rule: multiply by 4 then add 2, Output: ?



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Algebra 1 – Unit 2 – Inputs and Outputs (Medium)

11. Input: 6, Rule: multiply by 2 then add 6, Output: ?

12. Input: 6, Rule: multiply by 3 then add 1, Output: ?

13. Input: 5, Rule: multiply by 5 then add 1, Output: ?

14. Input: 2, Rule: multiply by 4 then add 5, Output: ?

15. Input: 3, Rule: multiply by 5 then add 5, Output: ?

16. Input: 4, Rule: multiply by 2 then add 3, Output: ?



Algebra 1 – Unit 2 – Inputs and Outputs (Medium) – Answer Key

1. Input: 6, Rule: multiply by 4 then add 3, Output: ?

$$x = 27$$

2. Input: 7, Rule: multiply by 5 then add 3, Output: ?

$$x = 38$$

3. Input: 7, Rule: multiply by 3 then add 5, Output: ?

$$x = 26$$

4. Input: 5, Rule: multiply by 2 then add 3, Output: ?

$$x = 13$$

5. Input: 6, Rule: multiply by 5 then add 4, Output: ?

$$x = 34$$

6. Input: 2, Rule: multiply by 3 then add 4, Output: ?

$$x = 10$$

7. Input: 6, Rule: multiply by 5 then add 6, Output: ?

$$x = 36$$

8. Input: 4, Rule: multiply by 2 then add 3, Output: ?

$$x = 11$$

9. Input: 8, Rule: multiply by 3 then add 3, Output: ?

$$x = 27$$

10. Input: 5, Rule: multiply by 4 then add 2, Output: ?

$$x = 22$$



Algebra 1 – Unit 2 – Inputs and Outputs (Medium) – Answer Key

11. Input: 6, Rule: multiply by 2 then add 6, Output: ?

$$x = 18$$

12. Input: 6, Rule: multiply by 3 then add 1, Output: ?

$$x = 19$$

13. Input: 5, Rule: multiply by 5 then add 1, Output: ?

$$x = 26$$

14. Input: 2, Rule: multiply by 4 then add 5, Output: ?

$$x = 13$$

15. Input: 3, Rule: multiply by 5 then add 5, Output: ?

$$x = 20$$

16. Input: 4, Rule: multiply by 2 then add 3, Output: ?

$$x = 11$$