



Name: _____

Date: _____

Unit 2 – Inputs and Outputs

1. Rule: $3x + 10$, Output: 19, Input: ?

2. Rule: $2x + 7$, Output: 27, Input: ?

3. Rule: $3x + 4$, Output: 34, Input: ?

4. Rule: $3x + 8$, Output: 17, Input: ?

5. Rule: $2x + 4$, Output: 34, Input: ?

6. Rule: $4x + 7$, Output: 35, Input: ?

7. Rule: $3x + 8$, Output: 35, Input: ?

8. Rule: $2x + 9$, Output: 21, Input: ?

9. Rule: $3x + 3$, Output: 27, Input: ?

10. Rule: $4x + 9$, Output: 21, Input: ?



Name: _____

Date: _____

Unit 2 – Inputs and Outputs

11. Rule: $2x + 7$, Output: 19, Input: ?

12. Rule: $3x + 9$, Output: 18, Input: ?

13. Rule: $4x + 9$, Output: 29, Input: ?

14. Rule: $4x + 3$, Output: 27, Input: ?

15. Rule: $4x + 4$, Output: 32, Input: ?

16. Rule: $3x + 9$, Output: 15, Input: ?



Unit 2 – Inputs and Outputs – Answer Key

1. Rule: $3x + 10$, Output: 19, Input: ?

$$x = 3$$

2. Rule: $2x + 7$, Output: 27, Input: ?

$$x = 10$$

3. Rule: $3x + 4$, Output: 34, Input: ?

$$x = 10$$

4. Rule: $3x + 8$, Output: 17, Input: ?

$$x = 3$$

5. Rule: $2x + 4$, Output: 34, Input: ?

$$x = 15$$

6. Rule: $4x + 7$, Output: 35, Input: ?

$$x = 7$$

7. Rule: $3x + 8$, Output: 35, Input: ?

$$x = 9$$

8. Rule: $2x + 9$, Output: 21, Input: ?

$$x = 6$$

9. Rule: $3x + 3$, Output: 27, Input: ?

$$x = 8$$

10. Rule: $4x + 9$, Output: 21, Input: ?

$$x = 3$$



Unit 2 – Inputs and Outputs – Answer Key

11. Rule: $2x + 7$, Output: 19, Input: ?

$$x = 6$$

12. Rule: $3x + 9$, Output: 18, Input: ?

$$x = 3$$

13. Rule: $4x + 9$, Output: 29, Input: ?

$$x = 5$$

14. Rule: $4x + 3$, Output: 27, Input: ?

$$x = 6$$

15. Rule: $4x + 4$, Output: 32, Input: ?

$$x = 7$$

16. Rule: $3x + 9$, Output: 15, Input: ?

$$x = 2$$