Fresh Math

Unit 2 – What Are Solutions?

For each equation, write the number of solutions (zero, one, or infinite).

1. Does $6x + 9 = 6x + 11$ have a solution?

2. Is $x = 2$ a solution to $4x = 1x + 6$?

3. Does $3x + 8 = 3x + 9$ have a solution?

4. Is $x = 3$ a solution to $6x = 3x + 9$?

5. Does $2x + 6 = 2x + 8$ have a solution?

6. Is $x = 9$ a solution to $5x = 2x + 11$?

7. Does $5x + 15 = 5x + 19$ have a solution?

8. Is $x = 13$ a solution to $4x = 1x + 6$?

9. Does $6x + 6 = 6x + 11$ have a solution?

10. Is $x = 1$ a solution to $6x = 2x + 4$?

Unit 2 – What Are Solutions?

For each equation, write the number of solutions (zero, one, or infinite).

11. Does $2x + 7 = 2x + 10$ have a solution?

12. Is $x = 15$ a solution to $6x = 3x + 4$?

13. Does $5x + 5 = 5x + 6$ have a solution?

14. Is $x = 9$ a solution to $3x = 2x + 9$?

15. Does $6x + 11 = 6x + 13$ have a solution?

16. Is $x = 8$ a solution to $7x = 6x + 4$?

1. Does $6x + 9 = 6x + 11$ have a solution?

2. Is $x = 2$ a solution to $4x = 1x + 6$?

   one

3. Does $3x + 8 = 3x + 9$ have a solution?

4. Is $x = 3$ a solution to $6x = 3x + 9$?

   one

5. Does $2x + 6 = 2x + 8$ have a solution?

6. Is $x = 9$ a solution to $5x = 2x + 11$?

   zero

7. Does $5x + 15 = 5x + 19$ have a solution?

8. Is $x = 13$ a solution to $4x = 1x + 6$?

   zero

9. Does $6x + 6 = 6x + 11$ have a solution?

10. Is $x = 1$ a solution to $6x = 2x + 4$?

    one

zero

Unit 2 - What Are Solutions? - Answer Key

11. Does $2x + 7 = 2x + 10$ have a solution?

12. Is $x = 15$ a solution to $6x = 3x + 4$?

    zero

13. Does $5x + 5 = 5x + 6$ have a solution?

14. Is $x = 9$ a solution to $3x = 2x + 9$?

    one

15. Does $6x + 11 = 6x + 13$ have a solution?

16. Is $x = 8$ a solution to $7x = 6x + 4$?

    zero

zero