



Name: _____

Date: _____

Unit 2 – Equations

1. If $x = 5$, find ? so $4x + 4 = 4x + ?$
2. Which value makes $x + 12 = 24$ true?
3. Which value makes $x + 22 = 34$ true?
4. Which value makes $x + 17 = 25$ true?
5. Which value makes $x + 10 = 21$ true?
6. If $x = 9$, find ? so $2x + 8 = 4x + ?$
7. If $x = 6$, find ? so $4x + 4 = 4x + ?$
8. Is $x = 4$ a solution to $6x = 26$?
9. Is $x = 9$ a solution to $6x = 57$?
10. Is $x = 3$ a solution to $5x = 17$?



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Unit 2 – Equations

11. Is $x = 5$ a solution to $4x = 23$?

12. Which value makes $x + 18 = 24$ true?

13. If $x = 4$, find ? so $2x + 10 = 4x + ?$

14. If $x = 5$, find ? so $2x + 10 = 5x + ?$

15. If $x = 6$, find ? so $3x + 3 = 4x + ?$

16. Is $x = 3$ a solution to $5x = 17$?



Unit 2 – Equations – Answer Key

1. If $x = 5$, find ? so $4x + 4 = 4x + ?$

$$x = 4$$

2. Which value makes $x + 12 = 24$ true?

$$x = 12$$

3. Which value makes $x + 22 = 34$ true?

$$x = 12$$

4. Which value makes $x + 17 = 25$ true?

$$x = 8$$

5. Which value makes $x + 10 = 21$ true?

$$x = 11$$

6. If $x = 9$, find ? so $2x + 8 = 4x + ?$

$$x = -10$$

7. If $x = 6$, find ? so $4x + 4 = 4x + ?$

$$x = 4$$

8. Is $x = 4$ a solution to $6x = 26$?

$$x = 0$$

9. Is $x = 9$ a solution to $6x = 57$?

$$x = 0$$

10. Is $x = 3$ a solution to $5x = 17$?

$$x = 0$$



Unit 2 – Equations – Answer Key

11. Is $x = 5$ a solution to $4x = 23$?

$$x = 0$$

12. Which value makes $x + 18 = 24$ true?

$$x = 6$$

13. If $x = 4$, find ? so $2x + 10 = 4x + ?$

$$x = 2$$

14. If $x = 5$, find ? so $2x + 10 = 5x + ?$

$$x = -5$$

15. If $x = 6$, find ? so $3x + 3 = 4x + ?$

$$x = -3$$

16. Is $x = 3$ a solution to $5x = 17$?

$$x = 0$$