



Name: _____

Date: _____

Properties_of_Equality – Medium (16 problems)

Identify the property of equality (Addition or Subtraction) used to solve each equation. Show your work.

1. $x - 7 = 20$

Property:

2. $x - 5 = 2$

Property:

3. $x + 2 = 7$

Property:

4. $x + 16 = 32$

Property:

5. $x - 10 = 15$

Property:

6. $x - 14 = 4$

Property:

7. $x - 11 = 4$

Property:

8. $x - 7 = 18$

Property:

9. $x - 12 = 15$

Property:

10. $x + 17 = 18$

Property:



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Properties_of_Equality - Medium (16 problems)

Identify the property of equality (Addition or Subtraction) used to solve each equation. Show your work.

11. $x - 1 = 3$

Property:

12. $x - 2 = 14$

Property:

13. $x - 17 = 2$

Property:

14. $x - 1 = 3$

Property:

15. $x + 2 = 4$

Property:

16. $x - 9 = 1$

Property:



Properties_of_Equality – Medium (16 problems) – Answer Key

1. $x - 7 = 20$

Property: Addition Property ($x = 27$)

2. $x - 5 = 2$

Property: Addition Property ($x = 7$)

3. $x + 2 = 7$

Property: Subtraction Property ($x = 5$)

4. $x + 16 = 32$

Property: Subtraction Property ($x = 16$)

5. $x - 10 = 15$

Property: Addition Property ($x = 25$)

6. $x - 14 = 4$

Property: Addition Property ($x = 18$)

7. $x - 11 = 4$

Property: Addition Property ($x = 15$)

8. $x - 7 = 18$

Property: Addition Property ($x = 25$)

9. $x - 12 = 15$

Property: Addition Property ($x = 27$)

10. $x + 17 = 18$

Property: Subtraction Property ($x = 1$)



Properties_of_Equality – Medium (16 problems) – Answer Key

11. $x - 1 = 3$

Property: Addition Property ($x = 4$)

12. $x - 2 = 14$

Property: Addition Property ($x = 16$)

13. $x - 17 = 2$

Property: Addition Property ($x = 19$)

14. $x - 1 = 3$

Property: Addition Property ($x = 4$)

15. $x + 2 = 4$

Property: Subtraction Property ($x = 2$)

16. $x - 9 = 1$

Property: Addition Property ($x = 10$)