



Name: _____

Date: _____

Unit 2 – Property of Equality

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

1. $x - 12 = 14$

Property:

2. $x + 13 = 21$

Property:

3. $x - 12 = 13$

Property:

4. $x - 1 = 11$

Property:

5. $x - 7 = 14$

Property:

6. $x - 20 = 11$

Property:

7. $x - 1 = 10$

Property:

8. $x - 20 = 17$

Property:

9. $x - 2 = 18$

Property:

10. $x - 3 = 2$

Property:



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Unit 2 – Property of Equality

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

$$11. x + 16 = 22$$

Property:

$$12. x - 5 = 18$$

Property:

$$13. x + 10 = 12$$

Property:

$$14. x - 18 = 15$$

Property:

$$15. x + 14 = 33$$

Property:

$$16. x + 18 = 26$$

Property:



Unit 2 – Property of Equality – Answer Key

$$1. \ x - 12 = 14$$

Add Property
 $x = 26$

$$2. \ x + 13 = 21$$

Sub Property
 $x = 8$

$$3. \ x - 12 = 13$$

Add Property
 $x = 25$

$$4. \ x - 1 = 11$$

Add Property
 $x = 12$

$$5. \ x - 7 = 14$$

Add Property
 $x = 21$

$$6. \ x - 20 = 11$$

Add Property
 $x = 31$

$$7. \ x - 1 = 10$$

Add Property
 $x = 11$

$$8. \ x - 20 = 17$$

Add Property
 $x = 37$

$$9. \ x - 2 = 18$$

Add Property
 $x = 20$

$$10. \ x - 3 = 2$$

Add Property
 $x = 5$



Unit 2 – Property of Equality – Answer Key

$$11. x + 16 = 22$$

Sub Property
 $x = 6$

$$12. x - 5 = 18$$

Add Property
 $x = 23$

$$13. x + 10 = 12$$

Sub Property
 $x = 2$

$$14. x - 18 = 15$$

Add Property
 $x = 33$

$$15. x + 14 = 33$$

Sub Property
 $x = 19$

$$16. x + 18 = 26$$

Sub Property
 $x = 8$