# Unit 2 – Property of Equality

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

1.  $x - 13 = 23$

Property:

2.  $x + 20 = 33$

Property:

3.  $x - 45 = 40$

Property:

4.  $x - 48 = 33$

Property:

5.  $x - 21 = 28$

Property:

6.  $x - 44 = 47$

Property:

7.  $x + 10 = 59$

Property:

8.  $x + 2 = 8$

Property:

9.  $x + 6 = 8$

Property:

10. $x - 21 = 5$

Property:

# Unit 2 – Property of Equality

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

11. x - 18 = 12

Property:

12. x + 25 = 6

Property:

13. x - 3 = 34

Property:

14. x + 41 = 2

Property:

15. x - 14 = 22

Property:

16. x - 24 = 16

Property:

# Unit 2 - Property of Equality - Answer Key

1. $x - 13 = 23$

   Add Property
   x = 36

2. $x + 20 = 33$

   Sub Property
   x = 13

3. $x - 45 = 40$

   Add Property
   x = 85

4. $x - 48 = 33$

   Add Property
   x = 81

5. $x - 21 = 28$

   Add Property
   x = 49

6. $x - 44 = 47$

   Add Property
   x = 91

7. $x + 10 = 59$

   Sub Property
   x = 49

8. $x + 2 = 8$

   Sub Property
   x = 6

9. $x + 6 = 8$

   Sub Property
   x = 2

10. $x - 21 = 5$

    Add Property
    x = 26

# Unit 2 - Property of Equality - Answer Key

11. x - 18 = 12

Add Property
x = 30

12. x + 25 = 6

Sub Property
x = -19

13. x - 3 = 34

Add Property
x = 37

14. x + 41 = 2

Sub Property
x = -39

15. x - 14 = 22

Add Property
x = 36

16. x - 24 = 16

Add Property
x = 40