



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Property of Equality

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

$$1. \frac{x}{3} = 99$$

Property:

$$2. 0.25x = 9.25$$

Property:

$$3. \frac{x}{15} = 7$$

Property:

$$4. \frac{x}{\frac{3}{5}} = 48.33$$

Property:

$$5. \frac{x}{\frac{2}{4}} = 15.5$$

Property:

$$6. \frac{x}{\frac{3}{4}} = 3.75$$

Property:

$$7. 4x = 68$$

Property:

$$8. 0.5x = 50.0$$

Property:



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## Property of Equality

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

$$9. \frac{x}{2} - 4 = 38$$

Property:

$$10. \frac{4}{5}x = 11.2$$

Property:



## Property of Equality – Answer Key

$$1. \frac{x}{3} = 99$$

Mult Property  
 $x = 297$

$$2. 0.25x = 9.25$$

division by decimal Property  
 $x = 37$

$$3. \frac{x}{15} = 7$$

Mult Property  
 $x = 105$

$$4. \frac{x}{\frac{1}{3}} \{5\} = 48.33$$

multiplication by reciprocal Property  
 $x = 29$

$$5. \frac{x}{\frac{1}{4}} \{2\} = 15.5$$

multiplication by reciprocal Property  
 $x = 31$

$$6. \frac{x}{\frac{1}{4}} \{3\} = 3.75$$

multiplication by reciprocal Property  
 $x = 5$

$$7. 4x = 68$$

Div Property  
 $x = 17$

$$8. 0.5x = 50.0$$

division by decimal Property  
 $x = 100$



## Property of Equality – Answer Key

$$9. \frac{x}{\frac{1}{2}} \{4\} = 38$$

multiplication by reciprocal Property  
 $x = 19$

$$10. \frac{4}{5} x = 11.2$$

division by fraction Property  
 $x = 14$