



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

Property:

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

Property:

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

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. $\frac{x}{\text{frac}\{2\}} \{4\} = 38$

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

multiplication by reciprocal Property
 $x = 29$

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

multiplication by reciprocal Property
 $x = 31$

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

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. $\frac{x}{\text{frac}\{2\}} \{4\} = 38$

multiplication by reciprocal Property
 $x = 19$

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

division by fraction Property
 $x = 14$