



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

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

## Algebra 1 – Unit 2 – Property of Equality (mult/div) (Challenge)

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

$$1. \frac{x}{12} = 36$$

Property:

$$2. \frac{4}{5}x = 22.4$$

Property:

$$3. \frac{3}{4}x = 27$$

Property:

$$4. \frac{4}{5}x = 4.8$$

Property:

$$5. 0.25x = 25.0$$

Property:

$$6. \frac{x}{\frac{1}{3}} \cdot \{4\} = 30.67$$

Property:

$$7. \frac{4}{3}x = 36$$

Property:

$$8. \frac{x}{0.75} = 85.33$$

Property:



# Algebra 1 – Unit 2 – Property of Equality (mult/div) (Challenge) – Answer

$$1. \frac{x}{12} = 36$$

Mult Property  
 $x = 432$

$$2. \frac{4}{5}x = 22.4$$

division by fraction Property  
 $x = 28$

$$3. \frac{3}{4}x = 27$$

division by fraction Property  
 $x = 36$

$$4. \frac{4}{5}x = 4.8$$

division by fraction Property  
 $x = 6$

$$5. 0.25x = 25.0$$

division by decimal Property  
 $x = 100$

$$6. \frac{x}{\frac{1}{3}} \{4\} = 30.67$$

multiplication by reciprocal Property  
 $x = 23$

$$7. \frac{4}{3}x = 36$$

division by fraction Property  
 $x = 27$

$$8. \frac{x}{0.75} = 85.33$$

multiplication by decimal Property  
 $x = 64$