



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

Property:

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

Property:

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

Property:

**gebra 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. $\frac{x}{\frac{3}{4}} = 30.67$

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
 $x = 64$