



Name: _____

Date: _____

Fresh
Math

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

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

1. $\frac{x}{3} \cdot 2 = 15.33$

Property:

6. $7x = 637$

Property:

2. $\frac{4}{5}x = 30.4$

Property:

7. $9x = 63$

Property:

3. $\frac{2}{3}x = 14.67$

Property:

8. $0.25x = 10.5$

Property:

4. $30x = 2970$

Property:

9. $0.8x = 18.4$

Property:

5. $\frac{x}{3} \cdot 5 = 60$

Property:

10. $0.2x = 14.0$

Property:



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

$$1. \frac{x}{\frac{3}{2}} = 15.33$$

$$6. 7x = 637$$

Property: Multiplication By Reciprocal Property (x = 91)

Property: Division By Reciprocal Property (x = 91)

$$2. \frac{4}{5}x = 30.4$$

$$7. 9x = 63$$

Property: Division By Fraction Property (x = 7)

Property: Division Property (x = 7)

$$3. \frac{2}{3}x = 14.67$$

$$8. 0.25x = 10.5$$

Property: Division By Fraction Property (x = 42)

Property: Division By Decimal Property (x = 42)

$$4. 30x = 2970$$

$$9. 0.8x = 18.4$$

Property: Division Property (x = 99)

Property: Division By Decimal Property (x = 23)

$$5. \frac{x}{\frac{3}{5}} = 60$$

$$10. 0.2x = 14.0$$

Property: Multiplication By Reciprocal Property (x = 70)

Property: Division By Decimal Property (x = 70)