



Name: _____

Date: _____

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

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

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 = 10)

Property: Division Property (x = 91)

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

7. $9x = 63$

Property: Division By Fraction Property (x = 38)

Property: Division Property (x = 7)

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

8. $0.25x = 10.5$

Property: Division By Fraction Property (x = 22)

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 = 36)

Property: Division By Decimal Property (x = 70)