

Reteaching 3-6 Solving Equations by Multiplying or Dividing Decimals

Solve the equations $0.7x = -2.8$ and $\frac{x}{1.5} = 0.2$

$$0.7x = -2.8$$

Write the equation

$$\frac{0.7x}{0.7} = \frac{-2.8}{0.7}$$

Divide each side by 0.7

$$x = -4$$

Simplify

$$\frac{x}{1.5} = 0.2$$

Write the equation

$$\frac{x}{1.5}(1.5) = 0.2(1.5)$$

Multiply each side by 1.5

$$x = 0.3$$

Simplify

Solve each equation.

1. $4x = -2.44$

2. $1.8x = 5.76$

$$x = \underline{\hspace{2cm}}$$

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3. $\frac{h}{-1.05} = -0.36$

4. $\frac{z}{-0.02} = 5.9$

$$h = \underline{\hspace{2cm}}$$

$$z = \underline{\hspace{2cm}}$$

5. $4.25y = 0.85$

6. $\frac{n}{-1.9} = 24.6$

$$y = \underline{\hspace{2cm}}$$

$$n = \underline{\hspace{2cm}}$$

7. $\frac{r}{8.04} = 1.55$

8. $11.32a = -39.62$

$$r = \underline{\hspace{2cm}}$$

$$a = \underline{\hspace{2cm}}$$