math Antics Worksheets

Name:

Date:

Solving Basic Equations with Multiplication or Division - Set 1

AB-SE2 1

Instructions: Use multiplication or division to solve each equation.

1 $\frac{4x}{4} = \frac{12}{4}$

$x = 3$

2 $(5)\frac{x}{5} = 7(5)$

$x = 35$

3 $\frac{x}{3} = 9$

4 $72 = 9x$

5 $12x = 144$

6 $10 = \frac{x}{4}$

7 $\frac{24}{x} = 6$

8 $5x = 105$

9 $\frac{x}{12} = 9$

10 $15 = \frac{75}{x}$

11 $\frac{x}{7} = 22$

12 $2x = 142$

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Solving Basic Equations with Multiplication or Division - Set 2

AB-SE2 2

Instructions: Use multiplication or division to solve each equation.

1 $\frac{40}{8} = \frac{8x}{8}$

$5 = x$

or $x = 5$

2 $(x)12 = \frac{48}{x}(x)$

$\frac{12x}{12} = \frac{48}{12}$

$x = 4$

3 $\frac{x}{8} = 8$

4 $11x = 66$

5 $\frac{32}{x} = 4$

6 $\frac{x}{3} = 24$

7 $6x = 78$

8 $\frac{x}{4} = 14$

9 $7 = \frac{84}{x}$

10 $65 = 5x$

11 $3x = 135$

12 $3 = \frac{x}{20}$

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Solving Basic Equations (with decimals)

AB-SE2 3

Instructions: Use multiplication or division to solve each equation. You can use a calculator to do the decimal arithmetic if you'd like to.

1. $5.0 = 2.5x$

2. $\frac{x}{2} = 1.6$

3. $1.5 = \frac{0.5}{x}$

4. $0.1x = 2.4$

5. $\frac{x}{2.1} = 1.6$

6. $\frac{3.5}{x} = 2.5$

7. $\frac{x}{3} = 6.4$

8. $0.2x = 0.7$

9. $8 = \frac{8.4}{x}$

10. $2.25 = 0.75x$

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Solving Basic Equations (with negative numbers)

AB-SE2 4

Instructions: Use multiplication or division to solve each equation.

1. $\frac{x}{5} = -6$

2. $-3x = -21$

3. $3 = \frac{-12}{x}$

4. $\frac{-28}{x} = -4$

5. $\frac{x}{-7} = 9$

6. $15x = -45$

7. $\frac{x}{-8} = -1$

8. $55 = -5x$

9. $-72 = -8x$

10. $9 = \frac{-45}{x}$