Math Antics Worksheets

Solving Basic Equations with Multiplication or Division - Set 1

SE2 1

Instructions: Use multiplication or division to solve each equation.

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

$x = 3$

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

$x = 35$

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

4 $72 = 9x$

5 $12x = 144$

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

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

8 $5x = 105$

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

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

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

12 $2x = 142$

Math Antics Worksheets

Solving Basic Equations with Multiplication or Division - Set 2

Instructions: Use multiplication or division to solve each equation.

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

$5 = x$

or $\boxed{x = 5}$

2 $(x)\,12 = \dfrac{48}{x}\,(x)$

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

$\boxed{x = 4}$

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

4 $11x = 66$

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

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

7 $6x = 78$

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

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

10 $65 = 5x$

11 $3x = 135$

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

Math Antics Worksheets

Name:

Date:

Solving Basic Equations (with Decimals)

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 $\dfrac{x}{2} = 1.6$

3 $1.5 = \dfrac{0.5}{x}$

4 $0.1x = 2.4$

5 $\dfrac{x}{2.1} = 1.6$

6 $\dfrac{3.5}{x} = 2.5$

7 $\dfrac{x}{3} = 6.4$

8 $0.2x = 0.7$

9 $8 = \dfrac{8.4}{x}$

10 $2.25 = 0.75x$

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Name: _____

Date: _____

Solving Basic Equations (with Negative Numbers)

Instructions: Use multiplication or division to solve each equation.

1 $\dfrac{x}{5} = -6$

2 $-3x = -21$

3 $3 = \dfrac{-12}{x}$

4 $\dfrac{-28}{x} = -4$

5 $\dfrac{x}{-7} = 9$

6 $15x = -45$

7 $\dfrac{x}{-8} = -1$

8 $55 = -5x$

9 $-72 = -8x$

10 $9 = \dfrac{-45}{x}$

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