

## Reteaching 2-6 Solving Equations by Multiplying or Dividing

Solve  $4x = -32$ .

$$4x = -32$$

Since 4 is multiplied by  $x$ , divide both sides of the equation by 4.

$$4x = -32$$

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

$$x = -8$$

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

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

Since  $x$  is divided by  $-5$ , multiply both sides of the equation by  $-5$ .

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

$$-5 \frac{x}{-5} = -5(-9)$$

$$x = 45$$

**Solve each equation.**

1.  $7m = 35$

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2.  $\frac{b}{8} = -3$

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3.  $90 = 10k$

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4.  $1 = \frac{n}{14}$

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5.  $100 = -20n$

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6.  $\frac{p}{15} = 5$

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7.  $-87,654y = 0$

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8.  $\frac{m}{4} = -12$

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9.  $-10a = 10$

\_\_\_\_\_

10.  $\frac{z}{-4} = 16$

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11.  $350t = -700$

\_\_\_\_\_

12.  $11j = 121$

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13.  $\frac{r}{-7} = 13$

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14.  $-7,650 = 10c$

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15.  $23 = \frac{w}{3}$

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16.  $125 = 25g$

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