Name _____ Date _____ _____

Solve One-Step Multiplication and Division Equations

You can solve one-step equations using **inverse operations**. For example, multiplication and division are inverse operations. To solve a one-step multiplication or division equation, apply the inverse operation to both sides of the equation to get the variable alone.

Let's try it! Solve each equation.

$8c = 24$	$\dfrac{t}{9} = 5$
$\dfrac{8c}{8} = \dfrac{24}{8}$ *Divide both sides of the equation by 8.*	$\dfrac{t}{9} \cdot 9 = 5 \cdot 9$ *Multiply both sides of the equation by 9.*
$c = 3$	$t = 45$

Try it yourself! Solve each equation.

1.	$7m = 21$ $m = 3$	**2.**	$\dfrac{a}{2} = 12$ $a = 24$	**3.**	$6p = 60$ $p = 10$
4.	$\dfrac{x}{4} = 8$ $x = 32$	**5.**	$5j = 65$ $j = 13$	**6.**	$\dfrac{h}{8} = 5$ $h = 40$
7.	$3y = 48$ $y = 16$	**8.**	$\dfrac{d}{12} = 9$ $d = 108$	**9.**	$\dfrac{z}{6} = 14$ $z = 84$
10.	$25u = 200$ $u = 8$	**11.**	$\dfrac{r}{6} = 20$ $r = 120$	**12.**	$8q = 480$ $q = 60$
13.	$\dfrac{b}{15} = 7$ $b = 105$	**14.**	$4g = 72$ $g = 18$	**15.**	$\dfrac{v}{8} = 17$ $v = 136$