

Activity	<b>Solving One Step Algebraic Multiplication and Division Equations</b>	Name: _____
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Tell whether the given value of the variable is a solution of the equation.

1.	$5r = 125; r = 15$		2.	$4.2a = 21; a = 5$		3.	$\frac{n}{6} = 84; n = 14$	
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Describe how to solve the equation without actually solving.

4.	$8x = 72$	5.	$14b = 8$	6.	$\frac{m}{11} = 6$

Solve the Equation. Be sure to check your answer. Round the solution to the nearest hundredth if necessary.

7.	$4p = 48$		8.	$2.3y = 20.7$	
9.	$\frac{1}{5}c = 35$		10.	$9d = 76.5$	
11.	$\frac{m}{7} = 43$		12.	$\frac{z}{6.2} = 4.5$	
13.	$\frac{a}{8} = 3.6$		14.	$9.8 = \frac{w}{2.3}$	
15.	$6 = \frac{3}{8}r$		16.	$\frac{5}{3}t = 30$	
17.	$5.3q = 1.431$		18.	$b + 4b = 8$	

Write the verbal sentence as an equation. Then solve the equation.

19.	The quotient of a number $x$ and 6 is 8.7.	
20.	Three times a number $a$ equals 14.4.	
21.	The product of $-2.2$ and a number $m$ is 13.2.	
22.	At a part-time job, Marcus earns \$8.50 per hour. Write and solve an equation to find the number of hours he has to work to earn \$102.	
23.	It costs you \$1.96 for four pounds of bananas. Write and solve an equation to find the cost of one pound of bananas.	
24.	In a survey about favorite book categories, $\frac{1}{4}$ of the total number of people surveyed, or 39 people, responded that mystery was their favorite category. Write and solve an equation to find the total number of people surveyed.	