Solving Equations using Multiplication and Division

The inverse operation of Multiplication is _____.

The inverse operation of Division is _____.

Steps:

1. Start with the side of the equation that has the variable
2. What is happening to the variable [multiplication or division] - Use **inverse** operation to "UNDO"
3. Do the same operation with the same number to both sides of the equal sign.

Multiplication Equation	Division Equation
To "**undo**" **multiplication** we use **division**. $5m = 35$	To "**undo**" **division** we use **multiplication** $\frac{n}{8} = 10$

PLUG your answer back in to the original equation to solve and **check**. Both sides of the _____ sign should be the _____.

	Operation used on variable	Inverse operation to UNDO	To isolate the variable I should	Answer	Check
$6s = 42$					
$y \div 3 = 12$					

Name_____ Date_____ Period_____

One Step Equations – Multiplying and Dividing

A.	$5b = 35$	$21 = 3r$	$10p = 90$	$2z = 2$
B.	$60 = 3j$	$9v = 54$	$100 = 25y$	$12c = 36$
C.	$\frac{h}{4} = 4$	$\frac{t}{3} = 5$	$10 = \frac{x}{8}$	$7 = \frac{p}{2}$
D.	$\frac{y}{11} = 3$	$\frac{z}{6} = 5$	$2 = \frac{a}{15}$	$4 = \frac{c}{9}$
E.	$7g = 35$	$45 = 2f$	$2 = \frac{w}{8}$	$\frac{n}{3} = 10.5$