

Multiply & Divide Equations

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Equation – 2 sides of the = sign are the same like a balance scale

Steps

1. Copy the problem
2. Find the variable
3. Use the opposite operation to get the variable alone
x opposite of \div
 \div opposite of x
4. What you do to one side (of the = sign) you must do to the other
5. Cancel the side with the variable and solve the other

Ex. $7n = 84$

$$\begin{array}{r} \div 7 \quad \div 7 \\ \hline n = 12 \end{array}$$

Ex. $28 = 4v$

$$\begin{array}{r} \div 4 \quad \div 4 \\ \hline 7 = v \end{array}$$

Ex. $5z = 125$

$$\begin{array}{r} \div 5 \quad \div 5 \\ \hline z = 25 \end{array}$$

Ex. $\frac{h}{7} = 6$

$$\begin{array}{r} \times 7 \quad \times 7 \\ \hline h = 42 \end{array}$$

Ex. $4 = \frac{n}{25}$

$$\begin{array}{r} \times 25 \quad \times 25 \\ \hline 100 = n \end{array}$$

Ex. $m \div 2 = 64$

$$\begin{array}{r} \times 2 \quad \times 2 \\ \hline m = 128 \end{array}$$

Ex. $b \div 9 = 5$

$$\begin{array}{r} \times 9 \quad \times 9 \\ \hline b = 45 \end{array}$$