

Name: _____

Date: _____

AIM: How can we practice two-step equations?

Solve and check the following

1. $-x = 14$ check	2. $3 - 5n = 23$ check
3. $\frac{m}{3} + 1.5 = 8.7$ check	4. $\frac{2}{3}x = 8$ check

To “undo” a fractional coefficient: _____

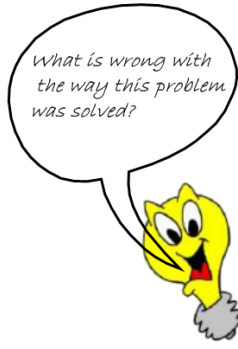
5. $\frac{2}{9}x = 12$	6. $\frac{7}{11}x - 17 = 4$
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Last thing done to the variable is the first thing undone!

$-2 + 7p = 12$	$14 = 38 - 4x$
$8 + \frac{m}{-3} = 22$	$\frac{2}{5}x + 8 = 4$

$$\begin{array}{r}
 3x + 5 = 20 \\
 -5 \quad -5 \\
 \hline
 3x = 20 \\
 -2 \quad -2 \\
 \hline
 x = -10
 \end{array}$$

Explain what is wrong with how the problem was solved.



Word Problems: Translate each word problem into an equation and solve.

Five minus the product of 2 and a number is 7.

ABC Gym costs \$40 to join plus an additional \$12 per month. If you have \$160 to spend, how many months can you afford?

A restaurant sells a coffee refill mug for \$6.75. Each refill costs \$1.25. Last month, Keith spent \$31.75 on refills and a mug. Write an equation you can use to find the number of refills that Keith bought.

Write your own story/word problem for $9x + 25 = 88$.