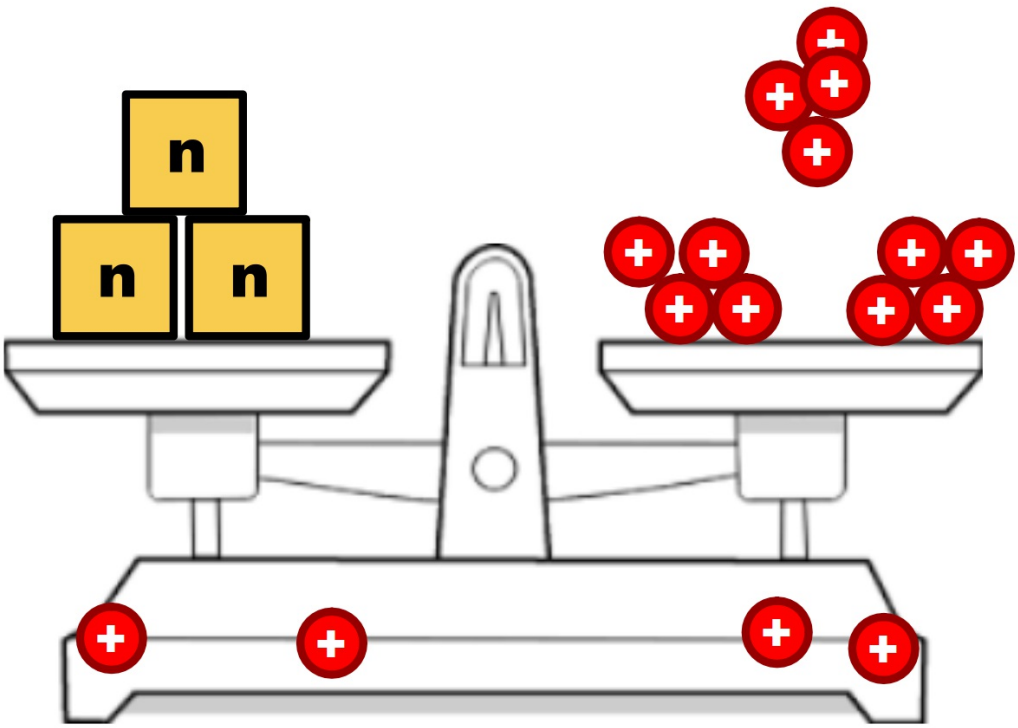
DECEMBER 15, 2014 1ST 2ND

STARTER

If you reverse the digits of a father's age, you have the age of his son. A year ago, the father was twice his son's age. How old are they both now?

WINTER FLAKES

12/15 Solving Two-Step Equations



Undo means:

1. Use the number on the same side of the equation as the variable
2. Do the opposite operation
3. Do it on both sides

So... undo the add/subtract:

$$x + 5 = -1$$
$$-5 \quad\quad -5$$

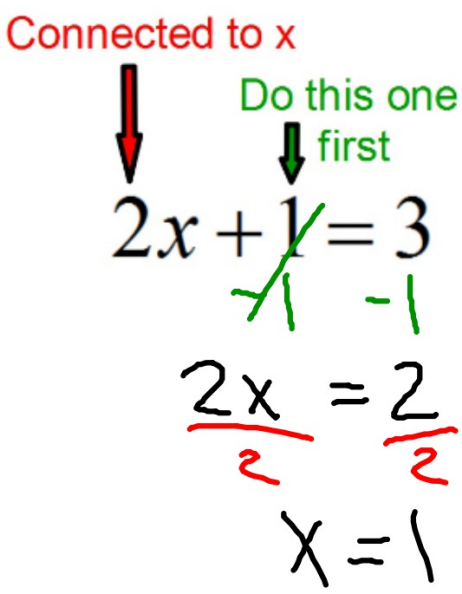
$$-4 = n - 9$$
$$+9 \quad\quad +9$$

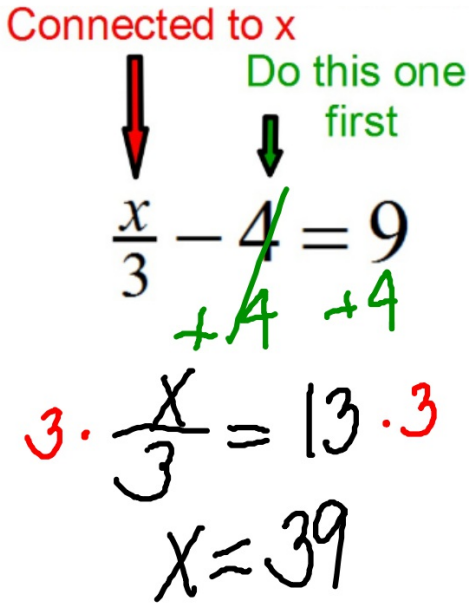
Undo the multiply:

$$\frac{3b}{3} = \frac{-12}{3}$$

$$\frac{20}{-6} = \frac{-6k}{-6}$$

When there are 2 operations,
save the one connected to the variable for last.





So, basically, get rid of the "extras" first!

TRY THESE...

$$5r + 4 = -8$$

$-4 \quad -4$

$$\frac{5r}{5} = \frac{-12}{5}$$

$$r = -2\tfrac{2}{5}$$

$$15 = \frac{u}{6} - 7$$

$+7 \quad +7$

$$6 \cdot 22 = \frac{u}{6} \cdot 6$$

$$132 = u$$

$u = 132$

AND THESE...

$$\frac{a}{-2} + 5 = -3$$

$-5 \quad -5$

$$-2 \cdot \frac{a}{-2} = -8 \cdot -2$$

$$a = 16$$

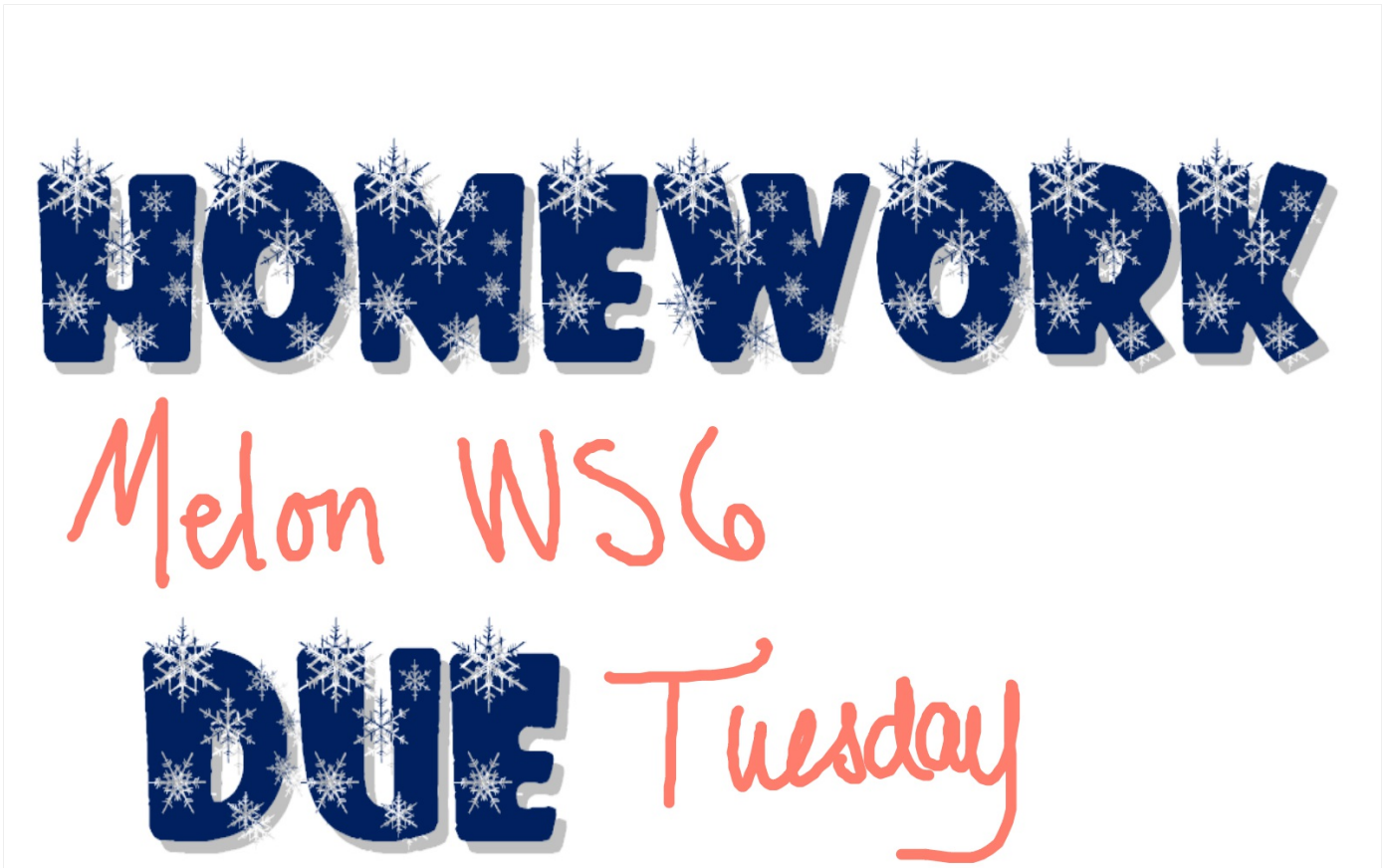
$$-20 = 8 - 6m$$

$-8 \quad -8$

$$\frac{-28}{-6} = \frac{-6m}{-6}$$

$$4\frac{4}{6} = m$$

$$4\frac{2}{3} = m$$


HOMEWORK
Melon WS6
DUE Tuesday