## Created by Donovan Alvarez Warm Up 11/( $\left.\frac{\left(11^{2}-\left(3^{4}-80\right)\right)}{40}\right)$

## Finish Partner Activity

***Get a whiteboard, marker, and eraser, and put it in your desk. If there is an empty seat at your table, get one for that desk too.***

1. $-150+60$
2. $\mathbf{1 8} \mathbf{- 2 3}$
3. -6-6
4. Work out the problem from the date.


## For each equation: (In your notes)

- Draw a bar diagram
- Use the diagram to show how much x is
- Show the steps in the equation to solve it. Your steps should match the picture!
$4 x=2 x+12 \quad 4 x+2 x=12$
$\underline{2}$ variable terms on the SAME SIDE:
- Combine like terms
- $\mathbf{2}$ variable terms on OPPOSITE SIDES:
. "Get rid" of one of them: add or subtract the x's on both sides the same way you do with regular numbers



## Whiteboards

$$
\begin{gathered}
3 x+2 x=45 \\
x=9
\end{gathered}
$$

Early finishers: Check your answer!

## Whiteboards

$$
\begin{gathered}
4 x=2 x+18 \\
x=9
\end{gathered}
$$

Early finishers: Check your answer!

## Whiteboards

$$
\begin{gathered}
6 x-2 x=88 \\
x=22
\end{gathered}
$$

Whiteboards

$$
\begin{gathered}
5 x+4=2 x+16 \\
x=4
\end{gathered}
$$

Early finishers: Check your answer!

## Whiteboards

$-3 x+16=x+20$

$$
x=-1
$$

Early finishers: Check your answer!
Whiteboards

$$
2 x+9+5 x+8=24
$$

$$
x=1
$$

Early finishers: Check your answer!

Whiteboards

$$
\begin{aligned}
& 5 x-8=x+5 \\
& x=\frac{13}{4} \text { or } 3.25
\end{aligned}
$$

Early finishers: Check your answer!
Whiteboards

$$
\begin{gathered}
2 x+10=8 x-20 \\
x=5
\end{gathered}
$$

Early finishers: Check your answer!

Whiteboards

$$
\begin{gathered}
4 x+4=x-11 \\
x=-5
\end{gathered}
$$

## Some for your notes...

## SOLVE

- $5 x+10-3 x=12-4 x-44$


## HOMEWORK

Pink Equations Worksheet

We will be spending a lot of time on Monday going over/correcting this. Don't freak out if there are some that are confusing you!!!

