

5-2 Using Tables


Examples

$$
\omega=\text { WeekS }
$$

1. Write an expression that represents the following situation.
2. Steven starts with $\$ 40$ and saves $\$ 8$ every week.

3. Anglea starts with $\$ 120$ and spends $\$ 12$ every week. $120+-12 w$
4. Make a table that shows when they will have the same amount of money.

5. Write an equation that represents the situation.
$40+8 w=120+-12 x$ (Hint: start with the expression from \#1)
6. Tony purchased a sofa for $\$ 600$ and made a deposit of $\$ 300$. He will pay for the rest in monthly payments of $\$ 50$.
a) Graph $y=600$ on a coordinate plane to show the cost of the sofa.
b) Write an equation to represent the amount, $y$ he has paid after $x$ months.
c) Graph your equation from part b on the same grid as part a.
d) Use the graph to determine when Tony will have completed his payments on the sofa.
e) Check you answer by solving an equation.



5. You are buying a cell phone and plan. You want to know which is the better deal. fill in the table to help you figure out the better plan.

Plan A-Phone is $\$ 75$ and you pay $\$ 50 /$ month Plan B-Phone is $\$ 100$ and you pay $\$ 45 /$ month

$$
\begin{aligned}
& x=\text { months } \\
& y=\text { money }
\end{aligned}
$$

Which is the better deal and when?


Assignment: 5-2 \#'s 1, 7, 9-12, 16, 17

