Warmup 10/ (4!) Created by Mr. Lischwe

1) On your slip of paper, write a new goal for this 9 weeks. Then copy this same goal onto your warmup page. A volunteer will tape the goals up to the #goals cabinet.

2) Think of at least three different actions/habits/etc. you could do this 9 weeks to help you reach your goal.

3) What is the slope of this line?

   The slope is 5.

4) What does this slope represent? This person is saving $5.00 per week.

Saving Money

Amount of Money (dollars) vs. Time (weeks)
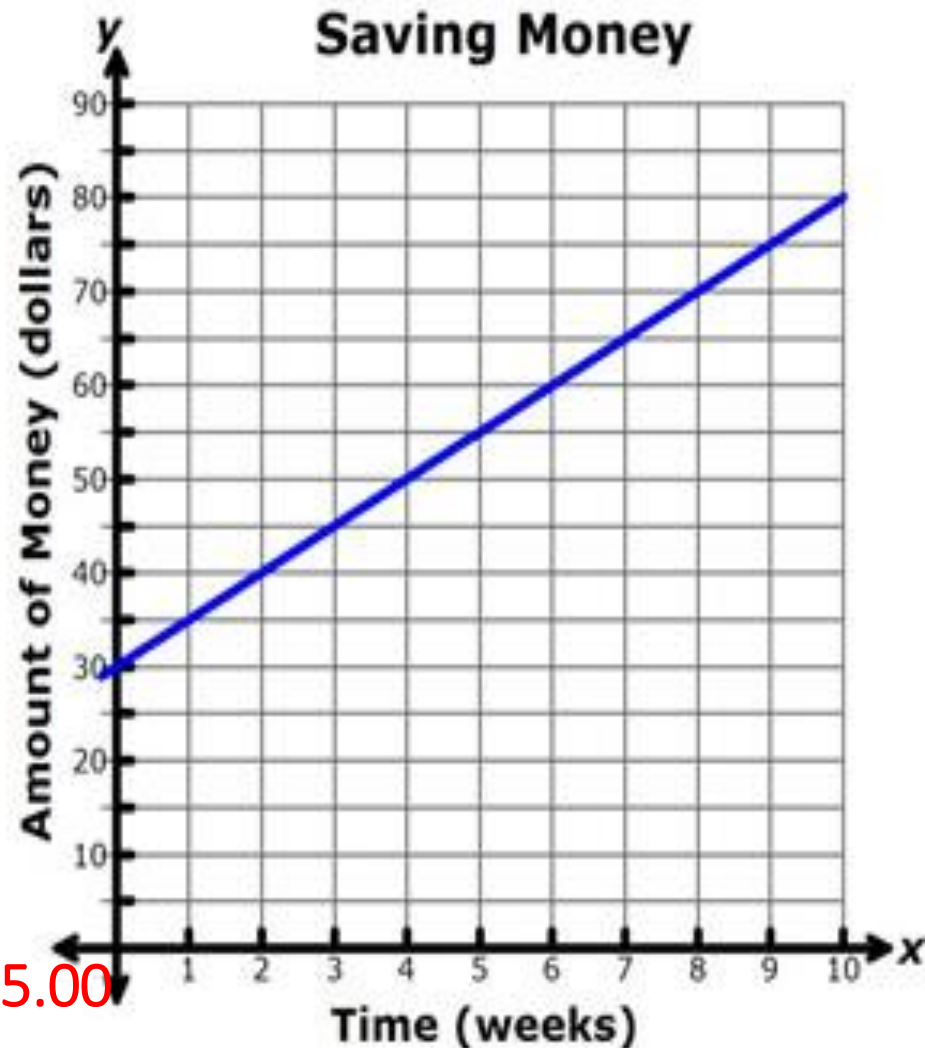
Blueberries Problem = Expectations

❑ Your entire group is working together. All 3 or 4 of you need to be on the same page, at the same spot, etc.

❑ TWO people from each group need to write – one on each "side" of the table

❑ Each person in the group needs to understand your group's process. I will be calling on random people to report what their group did. It is everyone's responsibility to make sure everyone understands!
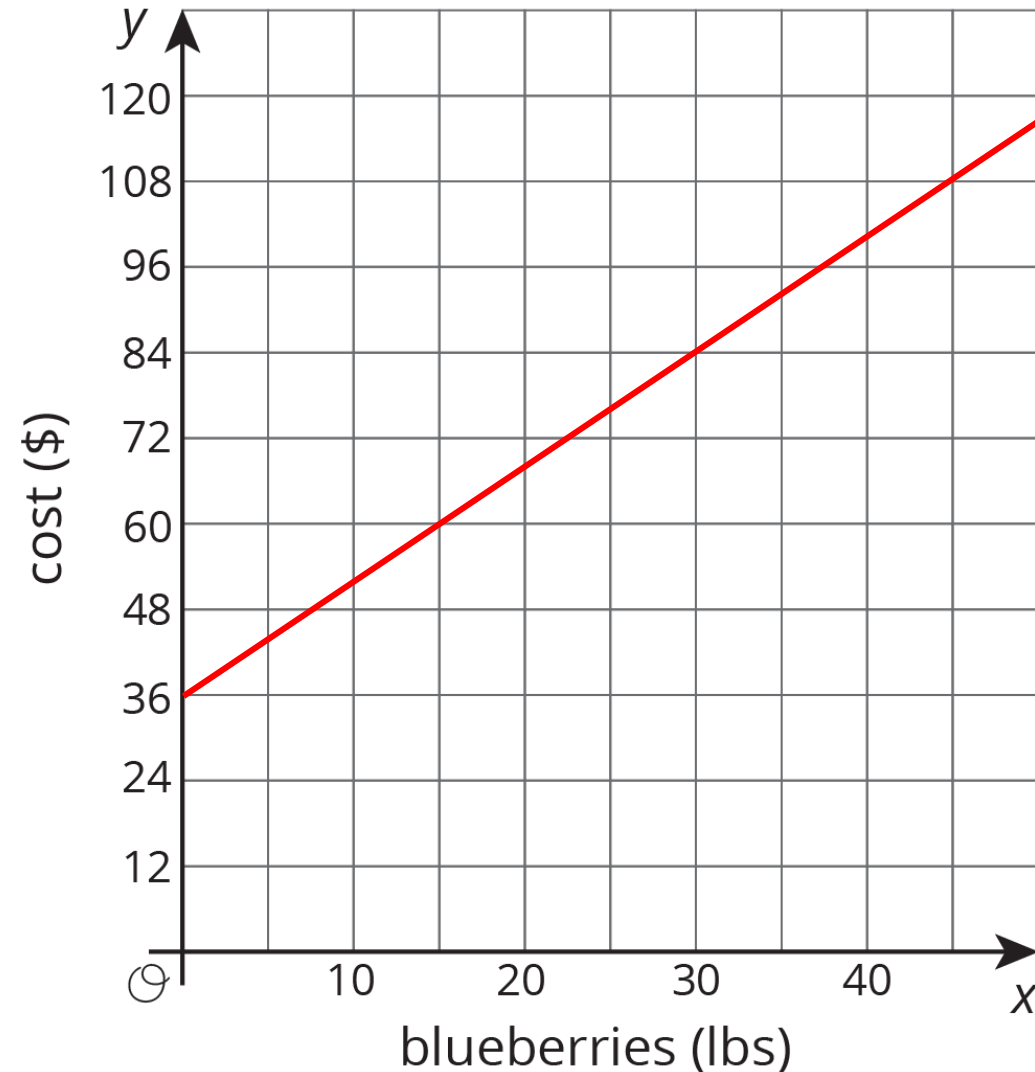
Different x- and y-axis scales…
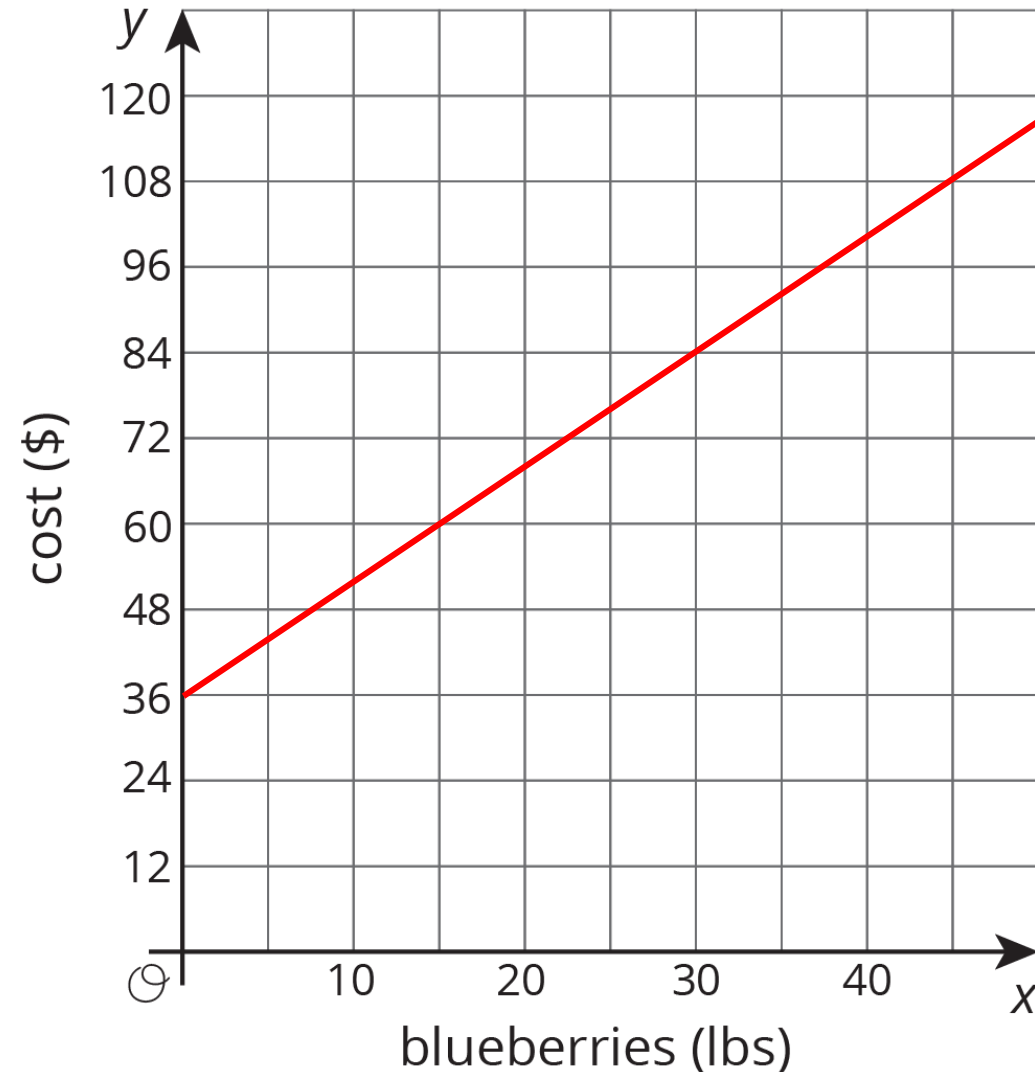
1) **Find the slope of the line.**
2) **What does this slope represent in terms of the situation?**
3) **Convert your slope into a precise dollar amount.**

1) $\dfrac{24}{15} \rightarrow \dfrac{8}{5}$

2) # of dollars per pound of blueberries

3) $\dfrac{8}{5} = 1\dfrac{3}{5} = 1.6 = \$1.60$

Different x- and y-axis scales…

4) How much would 90 pounds of blueberries cost?

$1.60 per pound

y = 1.60x + 36

y = 1.60(90) + 36

y = 144 + 36

$180 for 90 lbs

Slope Poster...

Today's Activity:

❑ You will work in pairs, but BOTH PEOPLE will write.
❑ You must STAY WITH your partner.
❑ You must COMMUNICATE with your partner.

❑ For each problem, you need a:
❑ Table
❑ Graph
❑ Equation
❑ Real-World situation

❑ Whichever one it gives you, you must create the other ones. (Yes, you have to invent your own real-world situations!)

❑ You do not need to go in order.

❑ Whatever you don't finish will be homework!!! You will either need to copy them, take pictures of them, or get them from my website.

THINGS TO REMEMBER:

If your graph is scaled by more than one, <u>do not just count boxes!!!</u>

Many students find it easiest to use the numbers in the table to get the slope instead of going from the graph.

Try to remember the strategies of getting an equation from a table (change in y/change in x for slope, y-value at 0 for y-intercept)

DO NOT MAKE ANY MARKS ON THE BLUE PAPERS!!!