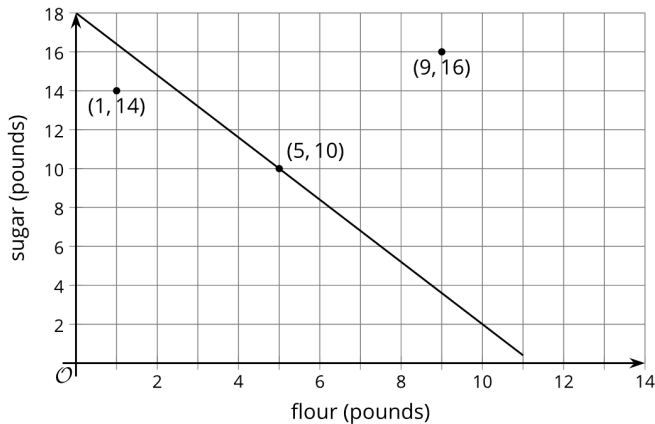


Project 1: Slopes and Intercepts Activity Sheet

Part 1: Notice and Wonder: Sugar and Flour

Look at the graph. What do you notice? What do you wonder?



Part 2: Matching

- Deal out the graph cards, face up. Take turns with your partner to name the three things in each graph:
 - slope
 - x -intercept
 - y -intercept
 - When it is your turn to name the parts of the graph, tell your partner the slope, x -intercept, and y -intercept.
 - When it is not your turn, listen to your partner and decide if you agree with their thinking.



Do you agree?

Yes or No



- If you agree, write their answers down on the graph for them. If you disagree, discuss your thinking and work to reach an agreement.

2. Deal out the equation cards face up, leaving the graph cards face up as well. Take turns with your partner to match each graph with an equation.
 - For each match that you find, explain to your partner how you know it's a match.
 - For each match that your partner finds, listen carefully to their explanation.



Do you agree?

Yes *or* **No**



- If you disagree, discuss your thinking and work to reach an agreement.
3. Write a real-world problem that could be modeled by one of the equations or graphs.

Choose a point that is on the graph or satisfies the equation and explain to your partner what it means in the context of your problem.

Explain to your partner what the slope and intercepts represent in the context of your problem.