

Name \_\_\_\_\_

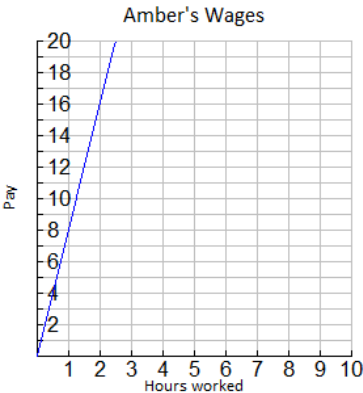
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# Lesson 8: Representing Proportional Relationships with Equations

## Exit Ticket

John and Amber work at an ice cream shop. The hours worked and wages earned are given for each person.

John's wages	
Time (h)	Wages (\$)
2	18
3	27
4	36



- a. Determine whether John's wages are proportional to time. If they are, determine the unit rate. If not, explain why not.
- b. Determine whether Amber's wages are proportional to time. If they are, determine the unit rate. If not, explain why not.
- c. Write an equation to model the relationship between each person's wages. Identify constant of proportionality for each. Explain what it means in the context of the situation.

d. How much would each worker make after working 10 hours? Who will earn more money?

e. How long will it take each worker to earn \$50?