Name:
Date: Per:

Bird Houses and Wages

Jackson and his grandfather constructed a model birdhouse. Many of their neighbors offered to buy the birdhouses. Jackson decided that building the birdhouses could help him earn money for an Apple Watch, but he is not sure how long it will take him to fill all of the requests for birdhouses. He knows he can build 7 birdhouses in 5 hours.

a. Create a table that shows the time required to build several different quantities of bird houses.

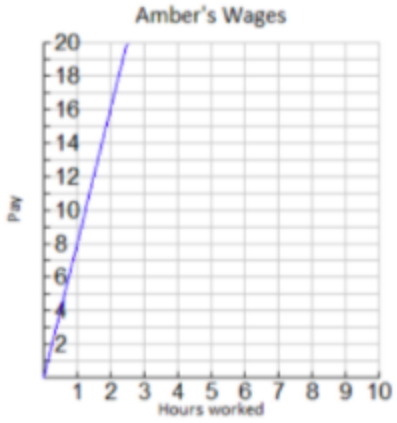
b. How many birdhouses can Jackson build in 40 hours?

c. Write an equation that can be used to find the time required to build any number of birdhouses.

d. How long will it take him to build 35 birdhouses?

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, find the unit rate. If not, Explain why not.

b. Determine whether Amber's wages are proportional to time. If they are, find the unit rate. If not, Explain why not.

c. Write an equation to model each person's wage in relation to hours worked.

d. How much would each of them make after working 10 hours?

e. How long would it take each worker to make $50?