

This assignment is a gauge and will not be graded

1) Express  $\frac{36 \text{ clients}}{4 \text{ hours}}$  as a unit rate.

a)  $\frac{8 \text{ clients}}{1 \text{ hour}}$

b)  $\frac{4 \text{ clients}}{1 \text{ hour}}$

c)  $\frac{9 \text{ clients}}{1 \text{ hour}}$

d)  $\frac{6 \text{ clients}}{1 \text{ hour}}$

2) It takes a worker 50 minutes to pack 130 boxes of books. The worker has 14 minutes of work left. Use a ratio table to determine how many cartons of books the worker can pack in 15 minutes.

<i>cartons of books</i>			130		
<i>minutes</i>		15	50		

a)  $\frac{13 \text{ books}}{15 \text{ minutes}}$

b)  $\frac{39 \text{ books}}{15 \text{ minutes}}$

c)  $\frac{13 \text{ books}}{5 \text{ minutes}}$

d)  $\frac{26 \text{ books}}{15 \text{ minutes}}$

3) On the Peterson's vacation to Florida, they drove 180 miles in 3 hours before stopping for lunch. After lunch they drove 120 miles in 2 hours before stopping for gas. Are these rates equivalent? Explain.

a) Yes; the unit rate for each is  $\frac{60 \text{ mi}}{1 \text{ hr}}$ .

b) No; the unit rate for each is  $\frac{60 \text{ mi}}{1 \text{ hr}}$ .

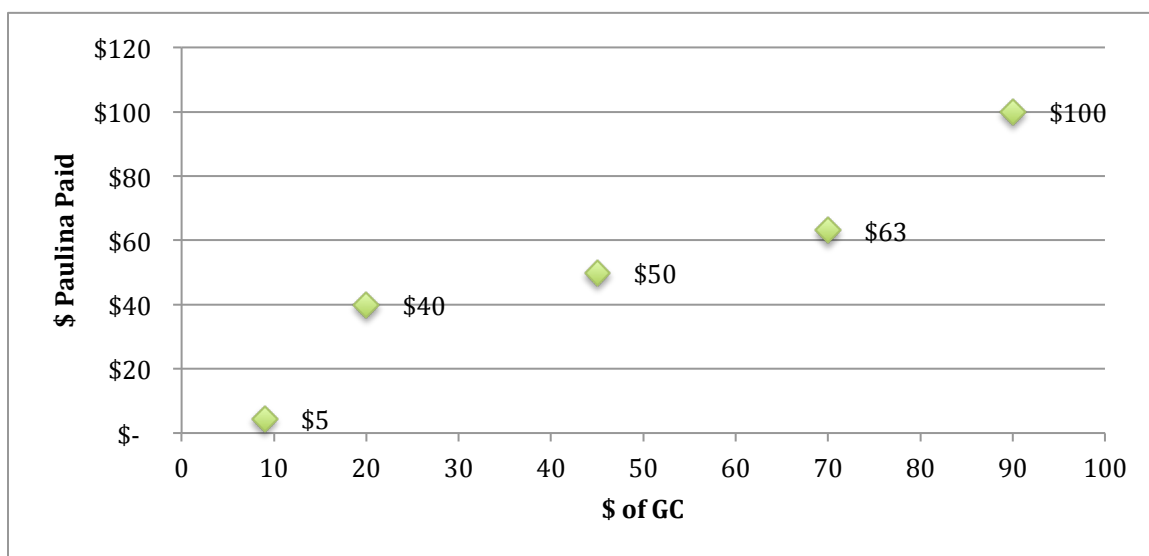
c) Yes; the unit rate for each is  $\frac{3 \text{ mi}}{1 \text{ hr}}$ .

d) No; the unit rates are  $\frac{180 \text{ mi}}{3 \text{ hrs}}$  and  $\frac{120 \text{ mi}}{2 \text{ hrs}}$ .

- 4) Determine which ratio table and graph best represents the data for the following problem. Paulina bought a \$50 gift card for \$45. How much would she pay for a \$20 gift card?

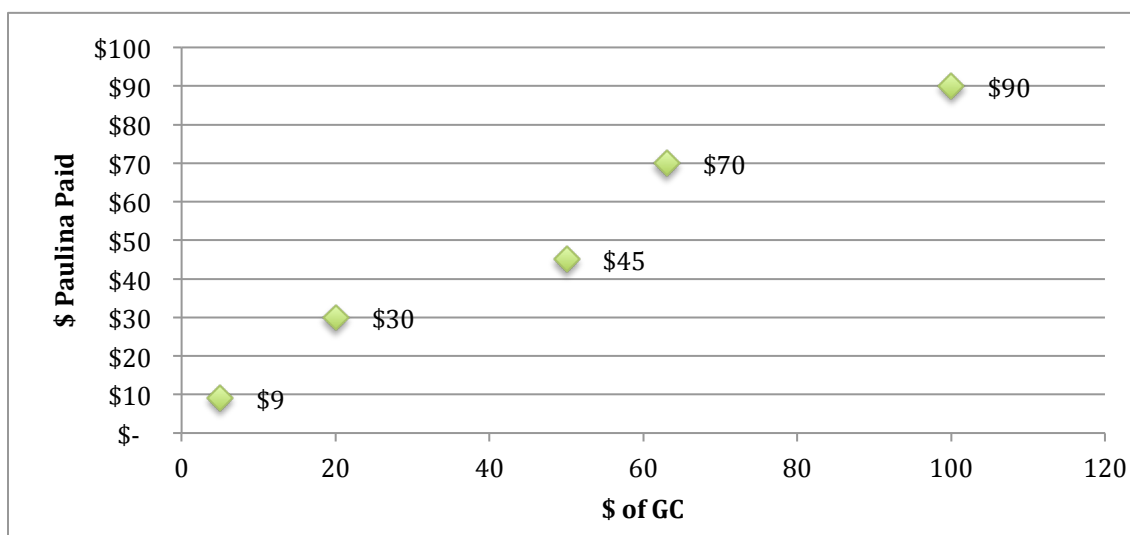
a)

<i>\$ of GC</i>	\$9	\$20	\$45	\$70	\$70
<i>\$ Paid</i>	\$5	\$40	\$50	\$63	\$100



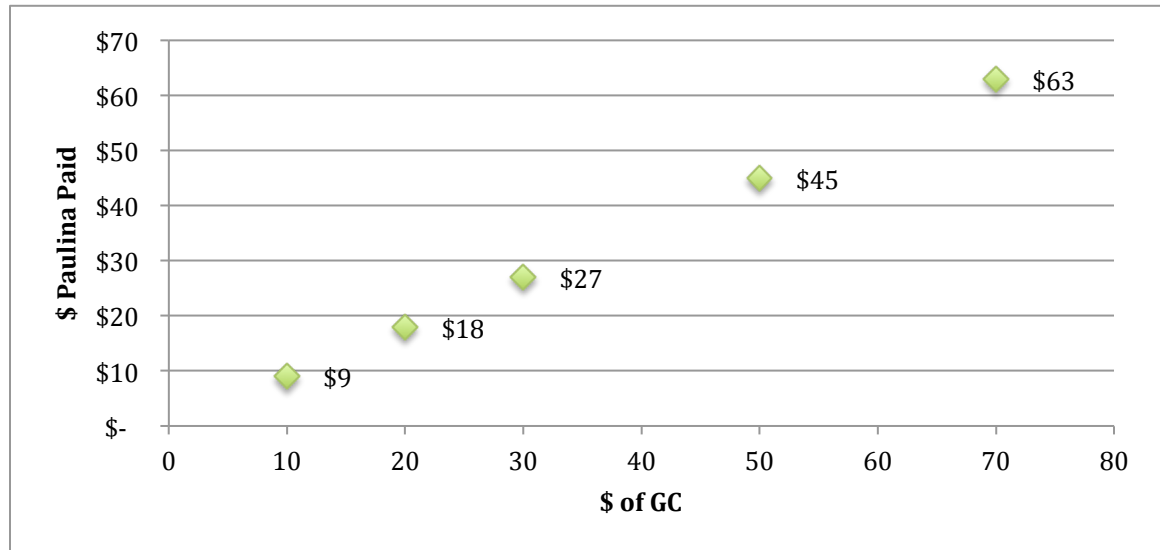
b)

<i>\$ of GC</i>	\$5	\$20	\$50	\$63	\$100
<i>\$ Paid</i>	\$9	\$30	\$45	\$70	\$90



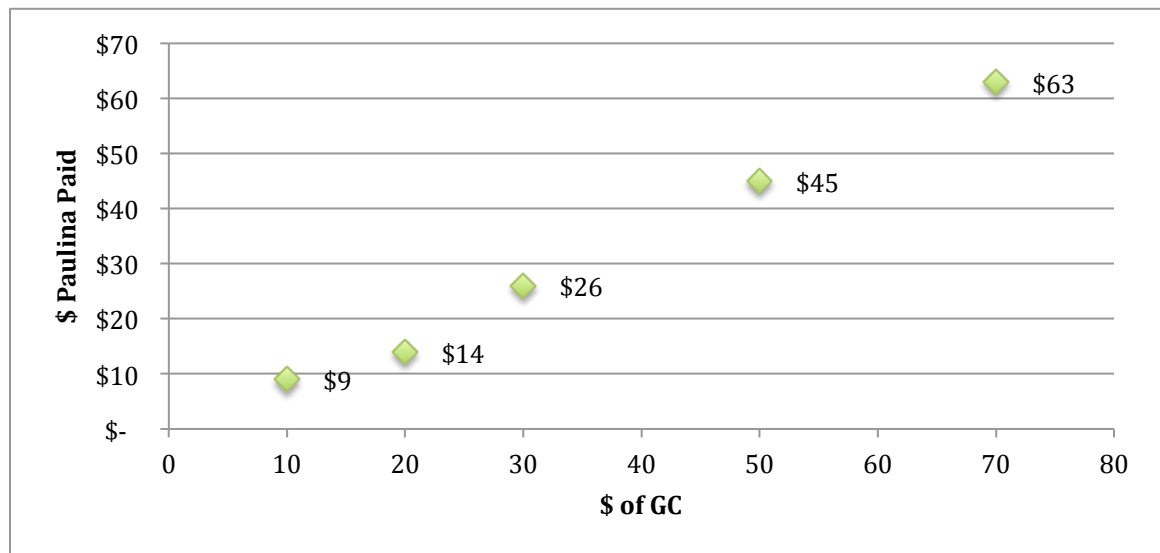
c)

<i>\$ of GC</i>	\$10	\$20	\$30	\$50	\$70
<i>\$ Paid</i>	\$9	\$18	\$27	\$45	\$63



d)

<i>\$ of GC</i>	\$10	\$20	\$30	\$50	\$70
<i>\$ Paid</i>	\$9	\$14	\$26	\$45	\$65



- 5) Out of 32 students in a class, 5 said they ride their bikes to school. Based on these results, predict how many of the 800 students in the school ride their bikes to school?
- a) 25 *students*
  - b) 125 *students*
  - c) 32 *students*
  - d) 4,000 *students*
- 6) Hamburger sells for 3 pounds for \$6. Predict how much Samantha will pay if she buys 13 pounds.
- a) \$39
  - b) \$18
  - c) \$26
  - d) \$78