STAPLE

Name _____ $Score: \frac{\quad}{6}$

Gillespie
Course 1: Gauge Ch4c
Proportions

This assignment is a gauge and will not be graded

1) Mrs. Simpson's class has 12 girls and 15 boys. What is the ratio of girls to boys?

a) $\frac{12}{15}; 80.0$

b) $\frac{4}{5}; 80.0$

c) $\frac{4}{5}; 0.8$

d) $\frac{3}{4}; 0.75$

2) A bouquet has 7 roses and 28 other types of flowers. What is the ratio of roses to other flowers?

a) $\frac{7}{28}; 4.0$

b) $\frac{7}{28}; 0.4$

c) $\frac{1}{4}; 0.25$

d) $\frac{1}{4}; 0.3$

3) Express $\frac{42\ free\ throws}{6\ practices}$ as a unit rate.

a) $\frac{7\ free\ throws}{6\ practices}$

b) $\frac{42\ free\ throws}{6\ practices}$

c) $\frac{6\ free\ throws}{1\ practice}$

d) $\frac{7\ free\ throws}{1\ practice}$

4) It takes a worker 70 minutes to pack 120 cartons 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 14 minutes.

cartons of books	12		120		
minutes		14	70		

a) $\frac{24\ books}{14\ minutes}$

b) $\frac{120\ books}{70\ minutes}$

c) $\frac{14\ books}{24\ minutes}$

d) $\frac{12\ books}{14\ minutes}$

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5) A music store is having a sale where you can buy 2 new-release CDs for $22 or you can buy 4 new-release CDs for $40. Are these rates equivalent? Explain.

a) Yes; the unit rate for buying 2 CDs is $\frac{\$11}{CD}$, and the unit rate for buying 4 CDs is $\frac{\$11}{CD}$.

b) No; the unit rate for buying 2 CDs is $\frac{\$22}{CD}$, and the unit rate for buying 4 CDs is $\frac{\$40}{CD}$.

c) No; the unit rate for buying 2 CDs is $\frac{\$11}{CD}$, and the unit rate for buying 4 CDs is $\frac{\$10}{CD}$.

d) No; the unit rate for buying 2 CDs is $\frac{\$11}{CD}$, and the unit rate for buying 4 CDs is $\frac{\$11}{CD}$.

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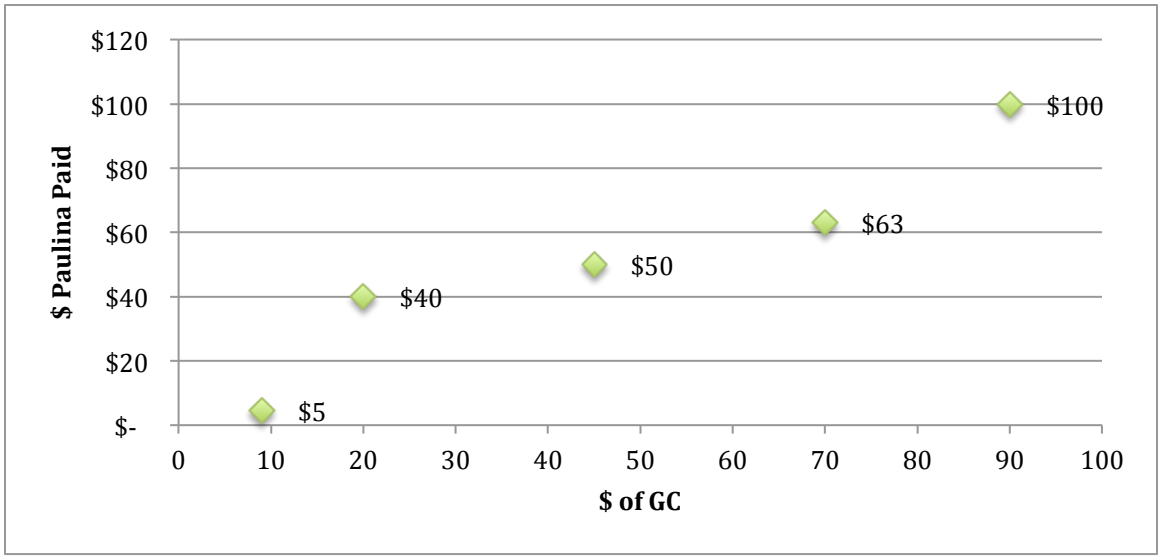
6) Determine which ratio table and graph best represents the data for the following problem. Paulina bought a $50 gift card for $45. How much would she pay for a $20 gift card?

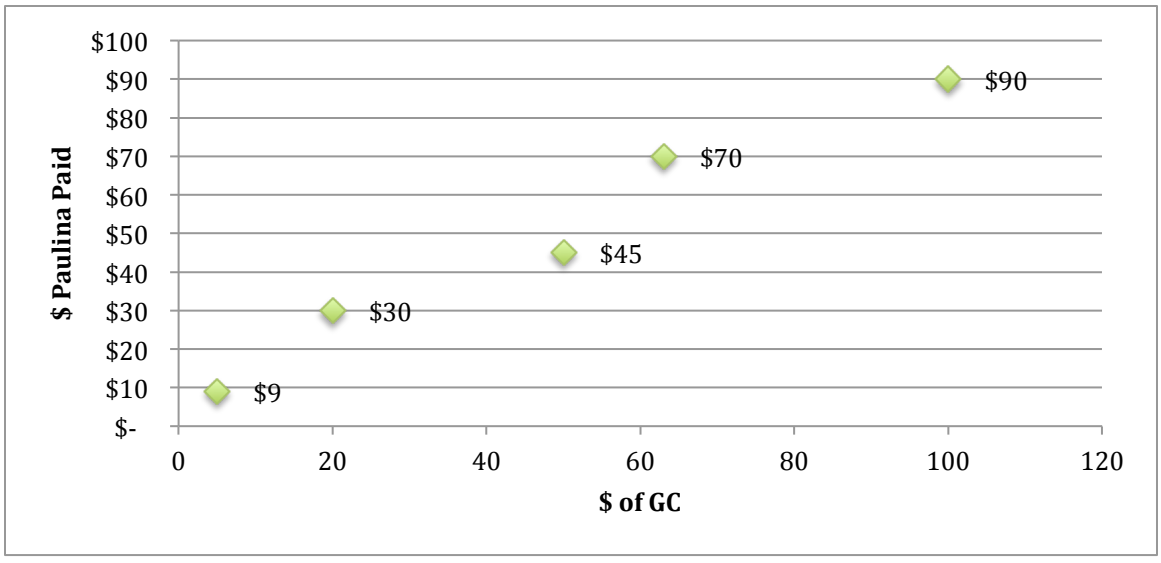
a)

$ of GC	$9	$20	$45	$70	$70
$ Paid	$5	$40	$50	$63	$100



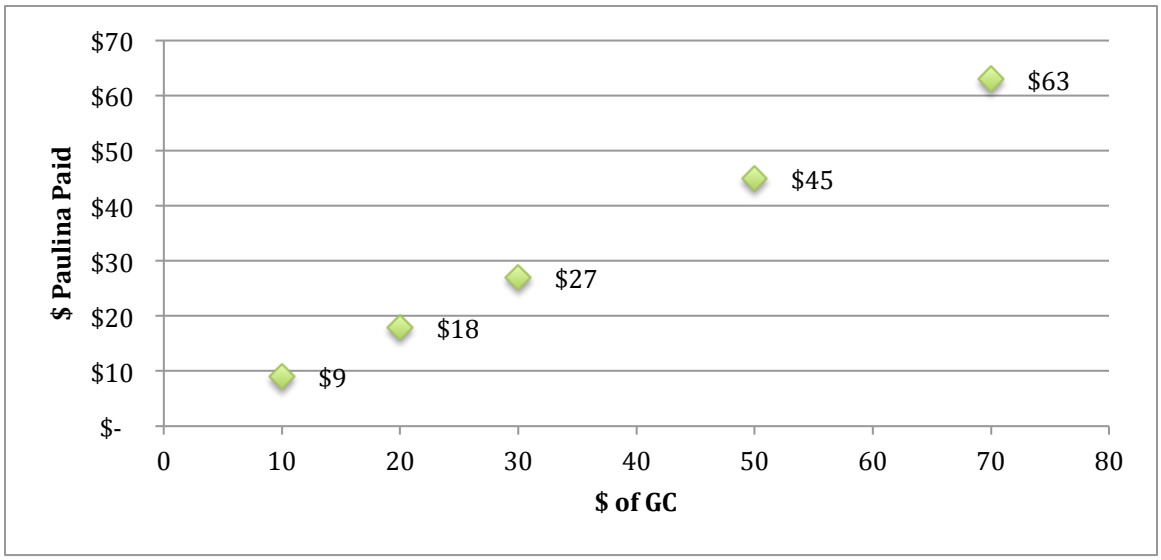
b)

$ of GC	$5	$20	$50	$63	$100
$ Paid	$9	$30	$45	$70	$90



c)

$ of GC	$10	$20	$30	$50	$70
$ Paid	$9	$18	$27	$45	$63



d)

$ of GC	$10	$20	$30	$50	$70
$ Paid	$9	$14	$26	$45	$65