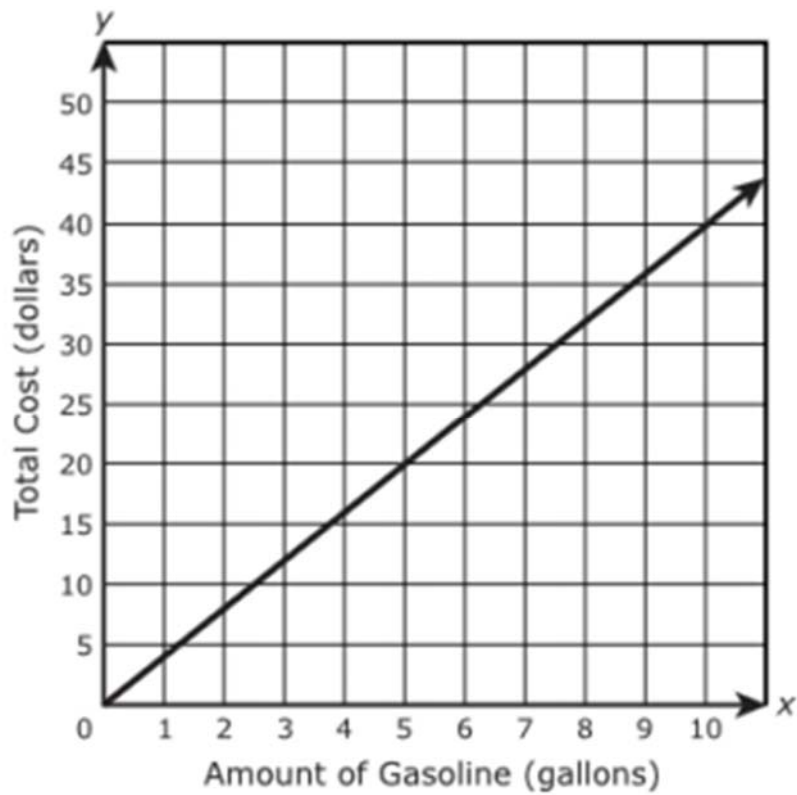


Name: \_\_\_\_\_

Group Members: \_\_\_\_\_

The **GRAPH** shows the amount of gasoline in gallons,  $x$ , and total cost in dollars,  $y$ , of gasoline at **Ruben's Speedy Stop**.

### Ruben's Speedy Stop



The **TABLE** below shows the amount of gasoline in gallons,  $x$ , and total cost in dollars,  $y$ , of gasoline at Julia's Gas and Grocery.

### Julia's Gas and Grocery

$x$	$y$
5	19.00
10	38.00
15	57.00

Use the unit price of gasoline at both gas stations to determine which gas station charges more for gasoline (gallons). Be sure to include the unit prices in your answer. Show your work here.

*Adapted from PARCC 2015 Grade 8 Performance Based Assessment Released Items*

Write a paragraph summary using the cue words, sentence frames, and sentence starters to defend your choice.

Sample Solution:

Reuben's:  $20/5 = 4.0$

Julia's:  $19/5 = 3.8$

To solve this problem, we divided 20 by 5 and the result was 4.0. Then, we divided 19 by 5 and the result was 3.8. Based on this information, Reuben's charges \$.02 more per gallon of gas.

**Whereas** Reuben's Speedy Stop charges \$5 for 20 gallons of gas, Julia's Gas and Grocery charges \$5 for 19 gallons of gas. The unit price at Reuben's is \$4.00 per gallon of gas. **In contrast**, the unit price at Julia's is \$3.80 per gallon of gas. Reuben's Speedy Stop is more expensive, so we would **rather** buy from Julia's because we would get more gas for our money.