Unit: Ratios and Rates	
Bubble Gum Lab	

Name _	
Date	Pd

BUBBLE GUM LAB

Use your understanding of unit rate to explore the unit rate of chewing bubble gum.

QueStioN: How does the size of the chomp impact my chewing speed?

Hypothesis:			

MA+CPIALS: Bubble Gum, Pencil, Data Sheet, Trash Can, Timer

PRo(eduRe:

- 1. Begin chewing your gum at a comfortable pace.
- 2. Use the timer to determine how many champs you can do in a specific period of time. Record your results in the table.
- 3. Continue with the different trials listed on the data sheet.
- 4. Calculate the speed at which you can chew gum.

PRE LAB INFORMATION AND QUESTIONS:	speed=	number of chomps time
How is the speed related to the unit rate?		
Describe the process for finding unit rate.		

dA+A:

CONCLUSIONS:

COMFORTABLE-SIZED CHOMP

	COMITOR	IAPL 3	Eca Cholab
1 RiAL	# of	łiMe	Speed
I		15 SeC	
2		30 SeC	
3		60 SeC	

LARGE-Sized (HOMP

†RiAL	# of	łiMe	Speed
I		15 SeC	
2		30 SeC	
3		60 SeC	

SMALL-Sized CHOMP

1 RiAL	# of	łiMe	Speed
I		15 Se(
2		30 SeC	
3		60 SeC	

PoSt-LAB QueStioNS:
How did you use your knowledge of unit rate to compare the data?
Using the information you recorded above, what could you expect to happen if you were given 5 minutes to chew comfortably?
Hayes and Nolan each champed their gum comfortably. Hayes champed 30 champs per minute and Nolan champed 70 champs in two minutes. How do Hayes and Nolan's speed compare? Predict who will be able to get to 500 champs first?

LLC,
Middle
the
rering
laneuv
8