Name:	Date:		Hr	:		
Unit 2 Day 2: Count vs Rela	ative Frequen	су	F20 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2			
cus Question: How do I answer q	uestions about rela	ative frequency	?			
A. Jacobson Revisited: At Jacobson Junior High	students voted for	r student counc	il president. Th	e results a	re shown b	elow.
			Candidate	Grade 7		Grade
1) Which of the following statement	ts are true? Select	all that apply.	Zoe	45	20	90
(a) Twice as many 8th grader	rs voted for Alessa	ndro	Alessandro	30	60	-
as 7th graders.	30 6	0	Total	75	80	150
Alessandro as 7th graders	nes as <mark>likely t</mark> o vote s.	e for 4th 90				
c) More than half of Zoe's very not true (d) 8th graders were more like	otes came from 9 th	graders. Zoe	s votes = 1	25 sho voted	for 200	-60
(d) 8th graders were more like	to vote for Ales	sandro than 9th	graders. =60%. eceived total vo	g B	60 =	75%
e) Alessandro received more	e votes from 9 th gra	ders than Zoe i	a l			
	90	not true			وا مراد	o rt
Three of the choices above asked ju Two of them required you to find po 2) Which two required a percer	electitages.	and you could u	se the numbers	directly I	rom me en	ait.
3) What do those two statemen	ts have in common	?				
The	word "likely"					
	word "likely"	vo	u HAVE TO fi	ind percen	tages beca	use it
indicates a PROBABILITY.	They will usually	use this word to	o trick you. We	e'll talk ab	out how it	can
fool you tomorrow.						
B. Relative Frequency "Relative" means that you nee group the question is "relativ	e to v numer			each quest	ion, indicat	te what
1) What percent of adults 2. 2) What percent of people v	aid pizza was their who like burgers ar	favorite food?		Allemia:	when find	ing the
A careful reading of the question is requesting.	important occause					
What word sets off the "group" or d	enominator to use?	2 01	What word tel	Is you the	group is de	one
being named?						

C. Practice Finding Percent

6th grade students were surveyed about whether or not they had graduated from a manners program run by the local youth center.

Students	Graduates	Not graduates	Total
Boys	110	29	45
Girls	13	12	70
Total	29	41	10

- 1. Complete the table
- 2. What percent of boys are non graduates?
- 3. What percent of people were girls who graduated?
- 4. What percent of non-graduates are girls?

8th graders at Lincoln Junior High were surveyed about how they get home from school.

	Male	Female	Total	
Walk	42	46	88	
.Car	20	20	40	
Bus	15	12	27	
Bike	52	17	69	
Total	129	95	224	

- 5. Complete the table.
- 6. How many 8th graders were surveyed?

7. What percent of 8th grade girls walk home from school?

N. 48.41

- 8. What percentage of 8th graders boys who who we home?
- 52 (40.3%)

- 9. What percentage of bus riders are girls?
- 12 44.47.