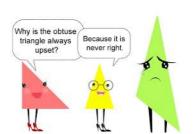
"I know what we're going to do today."



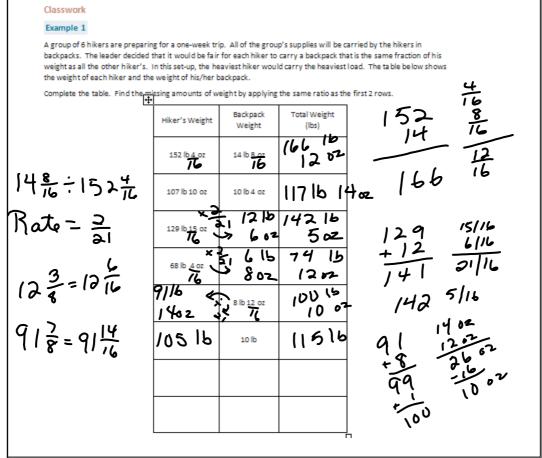
Agenda:

- 1) Warm Up- coach book p. 66b/c
- 2) Go over homework with 1:00 buddy
- 3) Ratios and Proportions Lesson 8: finding ratios from a total
- 4) Homework: Lesson 8
- 5) Problem Set #3- due Friday



Sep 15-10:44 PM

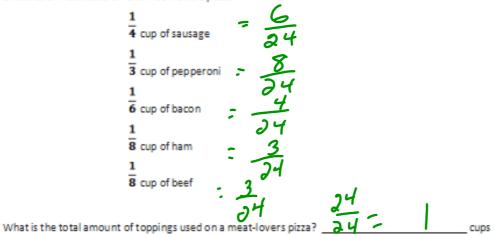
Lesson 8: Finding Equivalent Ratios Given the Total Quantity



Dec 4-1:31 PM

Example 2

When a business buys a fast food franchise, it is buying the recipes used at every restaurant with the same name. For example, all Pizzeria Specialty House Restaurants have different owners but they must all use the same recipes for their pizza, sauce, bread, etc. You are now working at your local Pizzeria Specialty House restaurant and listed below are the amounts of meat used on one meat-lovers pizza.



Dec 4-1:31 PM

The meat must be mixed using this ratio to ensure that customers will receive the same great tasting meat-lovers pizza from every Pizzeria Specialty House Restaurant nationwide. The table below shows 3 different orders for meat-lovers pizza on Superbowl Sunday. Using the amounts and total for one pizza given above, fill in every row and column of the table so the mixture tastes the same.

		Order 1	Order 2	Order 3
4	Sausage (cups)	1	×61-12	×9 24
-اما	Pepperoni (cups)	3/13	6 3=2	3
15-19-100-loo	Bacon (cups)	4,3	¥6 1	12
-lco	Ham (cups)	2	۲ ه اه را	- - J&
-100	Beef (cups)	-14	nly	1 2
1	TOTAL (cups)	4	<6 6	9

1 ×9 = 4 1 ×9 = 4 1 ×9 = 6 =

Dec 4-1:32 PM

Exercises

 The table below shows 6 different-sized pans of the same recipe for macaroni and cheese. If the recipe relating the ratio of ingredients stays the same, how might it be altered to account for the different sized pans?

Total

Noodles	Cheese	Pan Size
(cups)	(cups)	(number of cups)
4	1	5 5
3	3 4	33
	$\frac{1}{4}$	14
$\frac{4}{10} = \frac{2}{3}$	-1-0 7	516
$5\frac{1}{3}$	7/3	63
42	山水	5 5 8

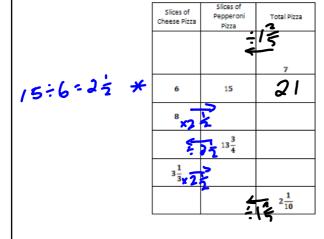
Lesson Summary

To find missing quantities in a ratio table where a total is given, determine the unit rate from the ratio of two given quantities and use it to find the missing quantities in each equivalent ratio.

Dec 4-3:15 PM



Students in 6 classes, displayed below, ate the same ratio of cheese pizza slices to pepperoni pizza slices. Complete
the following table, which represents the number of slices of pizza students in each class ate.



- To make green paint, students mixed yellow paint with blue paint. The table below shows how many yellow and blue drops from a dropper several students used to make the same shade of green paint.
 - a. Complete the table.

Yellow (Y) (ml)	Blue (B) (ml)	Total
3 1/2	5 14	
		5
	6 %	
61/2		

b. Write an equation to represent the relationship between the amount of yellow paint and blue paint.

Dec 4-3:16 PM

a. Complete the following table

Distance Ran (miles)	Distance Biked (miles)	Total Amount of Exercise (miles)
		6
$3\frac{1}{2}$	7	
	$5\frac{1}{2}$	
2 1/8		
	$3\frac{1}{3}$	

b. What is the relationship between distances biked and distances ran?

The following table shows the number of cups of milk and flour that are needed to make biscuits. Complete the table. Milk (cups) Flour (cups) Total (cups) 7.5 10.5 12.5 15	Milk (cups) Flour (cups) Total (cups) 7.5 10.5 12.5 15						
Milk (cups) Flour (cups) Total (cups)	Milk (cups) Flour (cups) Total (cups)						
7.5 10.5 12.5 15	7.5 10.5 12.5 15		e number of cup	s of milk and flour	that are needed to	o make biscuits.	
7.5 10.5 12.5 15	7.5 10.5 12.5 15	Complete the table.				1	
10.5 12.5 15	10.5 12.5 15		Milk (cups)	Flour (cups)	Total (cups)		
12.5 15	12.5 15		7.5				
				10.5			
11	11		12.5	15			
					11		
						•	

Dec 4-3:16 PM

