Unit 5 Review

Name: Hour: 1 2 3 4 5 6 7

	110di. 1 2 3 4 3 0 1	
Paul sells 20 adult tickets and 30 student tickets for the school play. Write the simplified ratio of student tickets to adult tickets in three	2. Find the Unit Rate for the situation.	
ways. Also EXPLAIN what the ratio represents.	360 km in 9 hours	
Words Colon Fraction		
Words Colon Praction		
	=	
"For every		
,, -		
3. Grace & Jim each bought notebooks for	4. Determine what pairs of ratios CANNOT form a	
school. Grace got 6 notebooks for \$4.80.	proportion.	
Jim got 5 notebooks for \$3.90. Jim says he got a	$\frac{3}{6}, \frac{2}{4}$ $\frac{4}{6}, \frac{14}{21}$	
better deal. Explain whether or not he is correct	6 ' 4 6 ' 21	
and how you know.		
	$\frac{10}{70}, \frac{2}{7}$ $\frac{2}{7}, \frac{6}{21}$	
	70 7 7 21	
5. *This table contains equivalent ratios between	6. * Frankie bakes 45 cookies in 3 hours. At this	
x and y. Find the missing value	rate, how many cookies will Frankie bake in 6	
	hours?	
$-$ = $ \begin{vmatrix} x & y \\ 3 & 2 \end{vmatrix}$		
6 4		
12		
27 18		
· ·	a. Brianna & Caleb make cakes at the same rate.	
* Alexander can make 18 cakes in 2 hours.	Caleb makes cakes faster than Alex because 28 is	
	more than 18	
Brianna can make 21 cakes in 3 hours.	more than 10	
	C. Brianna makes cakes faster than Alexander because	
Caleb can make 28 cakes in 4 hours.	21 is more than 18	
). Alexander makes cakes faster than Caleb & Brianna.	
Select ALL true statements.	. Brianna makes cakes at a slower rate than Alex.	
_	Bhailla mailes cailes at a sieriel rate alair, aoxi.	
	. Caleb makes cakes slower than Alexander because his	
(hint: find Unit Rates for each person)	ate per hour is less than Alexander's rate per hour	
8. The fuel for a chain saw is a mix of oil and	9. Find the value(<i>x</i>) that completes the proportion.	
gasoline. The label says to mix 6 ounces of oil	8 r	
with 20 gallons of gasoline. How much oil would	$\frac{\omega}{\omega} = \frac{x}{2\pi}$	
you use if you had 60 gallons of gasoline?	$\frac{8}{9} = \frac{x}{25}$	
		

10. *How many ounces of cherry juice concentrate are needed to mix with 12oz of water? Ounces of Water of Juice 4 2 8 4 12 16 8		11. *Mr. Hicks draws a table relationship and asks students to find the missing value. What students correctly describe how to find the missing value? Tabitha: add 6 + 5 = 11, bed	$ \begin{array}{c cccc} x & y \\ 5 & 10 \\ \hline 6 & \\ 8 & 13 \end{array} $	
		Lucy: multiply 6 × 2 = 12, because 5 × 2 = 10		
		Frank: divide 6 ÷ 2 = 3, because 10 ÷ 5 = 2		
		Max: subtract $10 - 6 = 4$, because $10 - 5 = 5$		
12. Write 8% as a decimal and a fraction <u>reduced</u>		13. Write 0.31 as a percent and fraction.		
to lowest terms.				
decimal	fraction	percent	fraction	
14. A baseball player go times he was at bat. Write	-	15. Your family's dinner bill came to \$55 with tax. If you wanted to leave a 15% tip how much should you leave for the tip?		
16. A house you wish to buy costs \$140,000.		17. Everyone in Science has a project. Of the 30		
The bank requires a 20% down payment for a loan. How much money do you need for the		students 40% <u>have completed</u> their project. How many students <u>still need</u> to finish their project?		
down payment?	do you need for the	How many students still nee	to iniish their project:	
=		=		
18. * Select ALL of the expressions that equal a correct method to calculate 42% of 200				
A 42 × 200	B 0.42 × 200	$C = \frac{42}{100} \times 200$	D $\frac{0.42}{100} \times 200$	