Nam	ie					Units	s			Date	
			Ma	ath 6 th	: Stu	dy Guide	Ratio	s and	Rates	s Unit 7	
										on. Remember to <u>SHOW YOU</u> the correct units!	<u>JR</u>
Writ	te the ra	tio. Ex	xplain w	vhat the	e ratio	means.					
1.) A	Arrows to	Circles	5								
	Ratio:										
Expl	anation:				Į						
	The ratio r is neede	-	ar to f	lour in c	a cookie	e recipe is	3 : 5.	The re	cipe us	ses 15 cups of flour. How much 2.)	1
E :											
rina	the miss	-		The rai	10 Ταρι		0	07		7	
	Dogs Cats	4	12	56		Pencils Erasers	9	27	33	_	
3.)		,		20	4.)		-				
Writ 5.)	Markers 0 8	16	24	22 40 4 5	\rightarrow	tion. Expl	ain wl	hat the	e rate	means.	
Rate	::										
Expl	anation:										
6.) /	A dog can	run at	a spee	d of 11 ·	feet pe	r second o	n land	. At th	nis rate	e, how far can it run in 8 secor	ıds?

						6.)			
Write a unit rat	te for the situa	tion.							
7.) 15 goals in 5	hours		8.) 1800 calor	ies in 2	sandw	viches			
		7.)							
						8.	.)		
9.) Determine which hand soap is the better buy. Explain your reasoning.									
Hand Soap A B]
Circle the better	rbuy: A B			Cost (dollars)		1	6		
Explain:					Fluid	ounces	6	45	
10.) Which vehic	cle goes further	on o	ne gallon of gas	P Explo	ain you	r reasoning].		
Tru	ıck		Ca	ar					
Gallons used			Gallons used		ance				
2	72		5	2	00				
3	108		6	2	40				
4	4 144 7 2			2	80				
Circle the vehicle that goes further on one gallon of gas: Truck Car									
Explain:									
Write the fraction or mixed number as a percent.									
11.) $\frac{3}{25}$		1	.2.) $2\frac{12}{50}$						
						11.	.)		
							-		
						12.	.)		

Write the percent as a sir	nplified fraction or n	nixed number.							
13.) 352% 14.) 32%									
		13.)							
		14.)							
15.) The ratio of males to t	otal students in a mat	rhematics class is 7 to 20.							
a. What fraction of the class is male?									
b. What percent is male?									
c. How many females are in the class?									
d . What fraction of the	e class is female?								
e. What percent is fem	ale?								
Find the percent of the nu	ımber.								
16.) 35.3% of 80	17.) 19% of	30							
		16.)							
		17.)							
18.) You answer 95% of the questions correctly on a 60-question test. How many questions do you									
answer incorrectly?									
18.)									
1.) 3:2; 3 arrows for every 2 circles 2.) 9 cups of sugar									
3.) Dogs 4 12		encils 9 27 99							
Cats 7 21		rasers 3 g 33							
5.) 8:1; 8 markers per package 6.) 88 feet 7.) 3 goals/hour									
8.) 900 calories/sandwich 9.) B: Smaller unit rate (0.13)									
10.) Truck: Goes 36 miles/gallon 11.) 12% 12.) 224%									
13.) 3 $\frac{13}{25}$	14.) $\frac{8}{25}$	15a.) $\frac{7}{20}$ 15b.) 35% 15c.) 13							
15d.) $\frac{13}{20}$	15e.) 65%	16.) 28.24 17.) 5.7							
18.) 3 questions	1								