Math 6 - Unit 2 End of Unit Test RE		os & Proportions		KEY		
			Class Pe	eriod: 1 2 3 4	Pate:	
<u>Vocabulary</u>						
Define the following ter	ms:					
1) customary syste	m The p	rimary s	system o	f meas	urement	in th
2) metric system _	A syst	em of	measur	ement.	11001	US.
3) percent A n	umber	out of 10	00	US	es a pase	10 110
4) proportion <u>A</u>	n equi	ation of	equival	lent nati	ios	
Problem Solving.	Show your	work!	· ·			
5) The ratio of whale sh missing value in the	harks to dolphin		uarium is 3 to 4. Bas	sed on that informat	tion, what is the	
		Whale Sharks	1 6	5 10		
		Dolphins	2 12	10 20		
6) 14 is 20% of what r	number?	= 20:20	14901 V	v=80 [14 is 20%	of 80
7) What is 40% of 400)? P 7× 4c	P= 160	160	1540%0	f 400.	
8) Which value of x wi	ill make these ra	tios equivalent? $\frac{12}{6}$	$\frac{x}{7}$	Cox X=	14)	
9) Kara pays \$49 for 7		uiddle school's musi ir ticket		as a unit rate.		
10) Jessica drove 288 m	niles in 4 hours.	Oscar drove 189 m	tiles in 3 hours. Who	The second secon	rate of speed?	
4 288 11) Pascal the Lizard is	6 feet long. Lou	31189	nches long. How mu		than Louie?	
			72-6		ches longe	
12) The table below sho a 2:1 ratio?	ows the number	of each item sold a	t the concession star	nd. Which of the foll	owing represents	
	Item	Popcorn	Nachos	Hot Dog	Candy Bar	Parameter
Qı	antity Sold	12	15	30	10	
13) The ratio of cats to				ound, how many do	2187	36 X= × 80
14) The ratio of boys to			LX=1E	5 Wy5		روسي
15) In a Mexican restau total people are at t		guests are eating a $\frac{60}{W} = \frac{25}{10}$	burrito. If 60 peopl 25 1 60 01:25 1 W	e are eating a burrit	o, how many V=240 peop	lel
1() D				1 1 1 2007	1: 450	

16) Donovan went out to dinner with his friends and had great service. He wanted to leave a 20% tip on his \$59

bill. How much money will he leave as a tip?

17) The prices of 3 different bottles of shampoo are given in the table. Which size bottle is the cheapest, according to the price per ounce? Price per 1 ounce Price Size \$5.25 25 ounces \$2.40 15 ounces \$1.00 5 ounces 18) The weight of an elephant is 13 kg. How many grams does the elephant weigh? (1 kg = 1000 g)13,000 19) Seventy liters of fruit punch were served at a party. How many kiloliters were served? (1000 L = 1 kL)20) If 1 Ton is equal to 2,000 pounds, how many Tons are equal to 14,000 pounds? 21) The table shows survey results of the favorite desserts of 6th graders. What is the simplified ratio of those who selected ice cream and cake to total?

Dessert	Ice Cream	Cookies	Cake	Pie	Brownies	Other
# Votes	15	13	5	2	8	7

all sixth graders surveyed

Constructed Response

22) Silly Sally has struck again! Please analyze her work below and answer the questions.

