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End of Unit Test Study Guide

Class Period: 1 2 3 4 Date: \_\_\_\_\_

Answer the following questions. You may use a separate sheet of paper, but your questions must be numbered and final answers must be circled or boxed in. Show ALL work to get full credit.

What is the difference between a rate and a unit rate?	2) Is $\frac{12}{18} = \frac{5}{8}$ a proportion? Why or why not? How do you know?
3) Fill in the missing values in the ratio table:	4) 19 is 20% of what number?
5 15 100	
9 27	
5) Find 30% of 400.	6) Determine the missing value: $\frac{25}{15} = \frac{x}{9}$
	13 9
7) White the create are according to the chieffing consists).	O) Marron drave OAF nailes in 2.5 hours. Domites
7) Write the rate as a unit rate (including units): \$31.50 for 9 tickets	8) Maren drove 245 miles in 3.5 hours. Donika drove 427 miles in 7 hours.
	Who drove at the fastest rate of speed?
	Willo drove at the fastest fale of speedy
	Justify your answer:
	, , , , , , , , , , , , , , , , , , , ,
9) Ephraim the Snake is 3 feet long. Asia the Fish	10) The table below shows the number of tickets
is 49 inches long.	sold for each movie.
How much longer is Asia than Ephraim?	What does the ratio 5:3 represent?
	Nongara Than Captain Spider
	Averigers mor America Man
	ty Sold 12 15 30 18

11) The table below shows the cost for varying numbers of meals at a local restaurant.  If the ratio stays the same, determine the value of n.  Number of Meals  Solution 12  \$144  20  Chinas Chinas 13  Chinas 13  The results 20 and a setting in a Chinas 13  The results 20 and a setting in a Chinas 13  The results 20 and 3	12) The ratio of red to blue socks in a drawer is 8:12. If there are 80 socks in the drawer, how many are blue?
13) There are 80 people eating in a Chinese restaurant. If 25% of these people did NOT order an eggroll, how many people did order an eggroll?	14) David deposited \$312 in the bank last week.  If this was 20% of his paycheck, how much was his paycheck?
15) Mrs. Katz is saving for a beach vacation. She needs to save \$3,500.  If she has only saved 30% of that amount, how much has she saved?	16) The prices of 3 different bottles of salad dressing are given in the table.  Which size bottle is the BEST value, according to the price per ounce?  Size Price 20 oz. \$4.20 15 oz. \$2.25 5 oz. \$0.90
17) The weight of a rhinoceros is 8 kg. If there are 1000 grams in a kilogram, how many grams does the rhinoceros weigh?	18) Fifty liters of fruit punch were served at a party. If there are 1000 liters in a kiloliter, how many kiloliters were served?
19) If you spend \$30 on dinner out and want to leave a 20% tip for good service, what would your total bill be?	20) If a store sells a shirt for \$16 and you have a 20% off coupon, how much would you pay for the shirt before taxes?

Ad	lu M	ath 6	- Unit :	<b>2:</b> Ratio	s, Rates	, Proportio	ons Name:			
End of Unit Test Study Guide  ANSWER KEY							Class Period: 1 2 3 4 Date:			
					-		parate sheet of paper, but your questions must be xed in. Show ALL work to get full credit.			
What is the difference between a rate and a unit rate?					en a rat	e and a	2) Is $\frac{12}{18} = \frac{5}{8}$ a proportion? Why or why not? How do you know?			
Unit rates require that one of the units be 1.						be 1.	No, they don't simplify down to the same ratio and if you cross multiply, you get different sums.			
3)	Fill in	the miss	ing value	es in the	ratio tal	ble:	4) 19 is 20% of what number?			
		5	15	45	100		95			
		3	9	27	60					
5)	Find	30% of 4	.00.				6) Determine the missing value: $\frac{25}{15} = \frac{x}{9}$			
120							X = 15			
7) Write the rate as a unit rate (including units): \$31.50 for 9 tickets						g units):	8) Maren drove 245 miles in 3.5 hours. Donika drove 427 miles in 7 hours.			
\$3.50 per ticket										
or \$3.50 for one ticket				•	et		Who drove at the fastest rate of speed?  Maren			
							Justify your answer: Maren drove more miles in an hour than Donika.			
9)	9) Ephraim the Snake is 3 feet long. Asia the Fish is 49 inches long.					the Fish	10) The table below shows the number of tickets sold for each movie.			
	How much longer is Asia than Ephraim?				n Ephrair	m?	What does the ratio 5:3 represent?			

ltem

Quanti ty Sold

13 inches longer

Avengers

12

Thor

15

None

Captain America

30

Spider Man

18

11) The table below show numbers of meals at a	a local restaurant.	8:12. If		olue socks in a drawer is ) socks in the drawer, how	
If the ratio stays the sa value of n.	me, determine the				
Number of Meals	Cost	4	8 blue sock	s in the drawer.	
3	\$36				
5	\$60				
12	\$144				
20	n = <b>\$240</b>				
20	11 - 9240				
13) There are 80 people of restaurant. If 25% of the order an eggroll, <b>how</b> order an eggroll?	nese people did <b>NOT</b>	14) David deposited \$312 in the bank last week. If this was 20% of his paycheck, how much was his paycheck?			
60 people did or	der an eggroll.		His payched	ck was \$1560.	
15) Mrs. Katz is saving for She needs to save \$3,				erent bottles of salad in the table.	
If she has only saved 3		Which size by the price pe		BEST value, according to	
		Size	Price	The 15 oz.	
Ch a a mus a	161050	20 oz.	\$4.20	Bottle is the	
She saved	1 \$ 1050.	15 oz.	\$2.25	better deal.	
		5 oz.	\$0.90		
			7	J	
17) The weight of a rhinoc are 1000 grams in a ki grams does the rhinoc	logram, how many	party.	If there are	nch were served at a 1000 liters in a kiloliter, were served?	
The rhinoceros v	veighs 8000g.		0.05 kL w	ere served.	
10) If you spand \$20 as d	inner out and want to	20) If a star	م دمااه م دامانحا	t for \$14 and you have a	
19) If you spend \$30 on d leave a 20% tip for go would your total bill b	od service, what	20% off		t for \$16 and you have a w much would you pay axes?	
Your total bill w	ould be \$36.		You would	i pay \$12.80.	