Adv Math 6 - Unit 2: Ratios, Rates, Proportions End of Unit Test Study Guide	
	Class Period: 1 2 3 4 Date:
Answer the following questions on a separate sheet of credit.	paper and turn in with all work shown to get full
1) What is the difference between a rate and a unit roughly both Compare Quantifies A unit RATE HAS ONE QUANTIFIES 18 12 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	IN DIFFERENT UNITS, BUT
3) Fill in the missing values in the ratio table:	3 6:18 = 8 78 8 75
5 15 45 100 3 9 27 60	K 1980 410
4) 19 is 20% of what number? W=95	0 19 20 20 1 5
5) Find 30% of 400 400 500 500 100	19× 19×
6) Defermine the missing value: $\frac{x}{\lambda} = \frac{x}{9}$ $\lambda = 15$	\$ 31.50 3.50
7) Write the rate as a unit rate (including units): \$31.50	for 9 tickets = 9 19 31.50
8) Maren drove 245 miles in 3.5 hours. Donika drove 4	27 miles in 7 hours.
8a) Who drove at the fastest rate of speed?	
8b) Justify your answer: She drove r	nore miles in
same time.	,
	5x
9) Ephraim the Snake is 3 feet long. Asia the Fish is 49	inches long. 3ft = 1ft
How much longer is Asia than Ephraim?	thes 36 h 3×
10) The table below shows the number of tickets sold to What does the ratio 5:3 represent?	or each movie.
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Item	Avengers	Thor	Captain America	Spider Man
Quantity Sold	. 12	15	30	10

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	Cost	
3	\$36	
5	\$60	
(X4 12	\$144 *4	
20	25240	

12) The ratio	of red to	blue socks in	a drawer is 8:12. If there a	re 80 socks in the drawer, how many ar	re
plne\$	음-용	T=20	B = 12 x4 48	re 80 socks in the drawer, how many ar	

- 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?60 -45 60 people
- 14) David deposited \$312 in the bank last week. If this was 20% of his paycheck, how much was his paycheck? \$1560
- 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	.2.1	.15	.22
20 ounces	\$4.2021	20 4.20	15)2.25	5).90
15 ounces	\$2.25 .15	20	75	10
5 ounces	\$0.90 .22			

- 17) The weight of a rhinoceros is 8 kg. If there are 1000 grams in a kilogram, how many grams does the rhinoceros weigh? 8000 9
- 18) Sixty liters of fruit punch were served at a party. If there are 1000 liters in a kiloliter, how many 1000 60.00 kiloliters were served?
- 19) If you spend \$30 on dinner out and want to leave a 20% tip for good service, what would your 100% = 30 10%+10%=20% \$ 30+\$6= |\$36 | total bill be? 3+3= \$6. MP 10% = 3
- 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?
- 21) How much would you pay for the shirt in question #20 including 6% safes tax?



