	v Math 6 - Un of Unit Test Study		Rates, Propor	1	KEY eriod: 1 2	3 4 Do	ate:
Ans cre	wer the following q dit.	uestions on a	separate she	et of paper a	nd turn in with	all work s	hown to get full
2) 3) 4) 40 6) 7) 8)	What is the different of two numbers $\frac{12}{18} = \frac{5}{8}$ a proportion $\frac{12}{18} = \frac{5}{8}$ and $\frac{12}{18} = \frac{12}{18}$ and $\frac{12}{18} = $	why or whom? Why or whom? Why or whom?  15  400  120  130  120  130  120  130  130  1	ny not? How 2 100 100 100 100 100 100 100 100 100 1	do you know? 6: 19 = 5 6: 18 = 8  = 20 5 = 2	No, not because to the When you go	propose same you con the are	nparison te is a rate where due is 1.  ritional not simplify ratio. Also, ross multiply = 96 and = 90, since numbers n't equal, ratios n't equal.
	WENT MOR			200	R THAN	DONIK	<i>A</i> .
10)	Ephraim the Snake How much longer i The table below sh What does the ratio	s Asia than Ep ows the numb	hraim? per of tickets s		xin	= 1ft = 12in	EPHRAIM=361 ASIA = 491n ASIA ISI3 INCI LONGER
	Item	Avengers	Thor	Captain	Spider Man		

Item	Avengers	Thor	Captain America	Spider Man
Quantity Sold	12	15	30	10

NONE, THERE IS NO COMBO THAT IS IN A 5:3 RATIO.

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
12	\$144
20 🗶	2 n

$$N = 240$$

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?

8 8 12 B 248 BUE 30000

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? 75% DID EAT AN EGGROUL

14) David deposited \$312 in the bank last week. If this was 20% of his paycheck, how much was his paycheck? 312 5 5 312 = \$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?

\$ 1050

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 ounces	\$4.20
15 ounces	\$2.25
5 ounces	\$0.90

150z. bottle

17) The weight of a rhinoceros is 8 kg. If there are 1000 grams in a kilogram, how many grams does the rhinoceros weigh?

- 19) If you spend \$30 on dinner out and want to leave a 20% tip for good service, what would your total bill be?  $30 \times 1.2 \pm 36$  or 20% of 30 is  $6 \times 30 + 6 = 1836$
- 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? 16 x . 8 = \$12.80
- 21) How much would you pay for the shirt in question #20 including 6% sales tax?