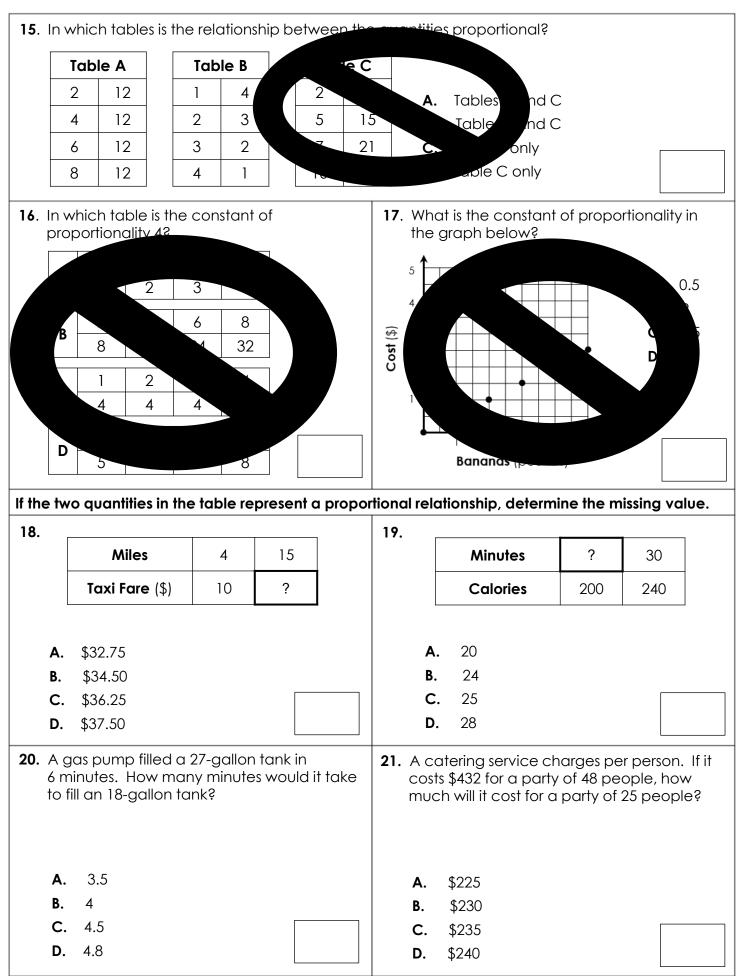
Name:		Unit 2 Study Guide			
Date:	Per:	Proportional Relationships & Percents			
		the left, write a ratio for the total number of er of unshaded squares in simplest form.			
correct?	e test. Which ratio	3. There are 16 yellow, 8 pink, and 12 blue highlighters in a drawer. What is the ratio of yellow highlighters to the total number of highlighters? Write your answer as a fraction in simplest form.			
 A. 4 to 21 B. 4 to 25 C. 21 to 4 D. 25 to 4 					
 Which of the following A. There are exactly B. There are exactly C. There are exactly 	20 apples and 6 oranges 32 apples and 15 oranges 16 apples and 12 orange 24 apples and 9 oranges	in the bag. es in the bag. es in the bag.			
 5. Fill in the box with a vorratios equivalent. 4 : Construction 	alue that will make the and 32:72	 6. There are 140 milligrams of caffeine in a 12-ounce cup of coffee. How many milligrams of caffeine are in 3 ounces of the same coffee? A. 30 B. 35 C. 40 			
		D. 45			
7. Which ratios are equivalent? Check all that apply.					
$\Box \ \frac{12}{16}, \frac{21}{28}$	$\Box \frac{3}{15}, \frac{21}{70} \Box \frac{4}{6}$	$\frac{16}{5}, \frac{16}{28}$ \Box $\frac{20}{32}, \frac{15}{24}$ \Box $\frac{9}{27}, \frac{5}{15}$			

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3.						9.				
	Tak	oles	3	7	12		Seconds		12	60
	Gu	ests	24				Push-ups	7	21	
0.	cookies		a ratio	iip cookies table and Sugar Cookies		-	24 20 16 12 8 4			
	 A. 26 B. 28 C. 32 D. 38 	any stude	nts per	s and 952 s teacher ar	e there?	4 C A. B. C. D.	A water disper pottle in 15 sec ispenser filling 1.4 ounces p 1.5 ounces 1.6 ounces p 1.8 ounces p	Chocolate C nser filled a conds. At w the bottle? per second per second per second	hip Cook 24-ounc /hat rate	e wate was th
3.	 How model A. 26 B. 28 C. 32 D. 38 Finn need bed. If it 	any stude eds 8 bag ne can sp	nts per s of mu pend a r		Tower of \$30,	A. B. C. D.	A water disper pottle in 15 sec ispenser filling 1.4 ounces (1.5 ounces 1.6 ounces (1.8 ounces (1.8 ounces (the prices of the given below. W	Chocolate C nser filled a conds. At w the bottle? per second per second per second per second per second per second per second	hip Cook 24-ounc /hat rate / / of ketch e costs th	e wate was th
3.	 How model A. 26 B. 28 C. 32 D. 38 Finn need bed. If it 	any stude eds 8 bag ne can sp	nts per s of mu pend a r	teacher ar	Tower of \$30,	A. B. C. D.	A water disper bottle in 15 sec ispenser filling 1.4 ounces (1.5 ounces 1.6 ounces (1.8 ounces (1.8 ounces (he prices of the given below. We ber ounce? Bottle	Chocolate C nser filled a conds. At w the bottle? per second per second per second per second per second per second per second ser second per second ser second ser second ser second	hip Cook 24-ounc /hat rate / / of ketch e costs th Pri	e wate was the up are he least
3.	 How model A. 26 B. 28 C. 32 D. 38 Finn need bed. If it 	any stude eds 8 bag ne can sp	nts per s of mu pend a r	teacher ar	Tower of \$30,	A. B. C. D.	A water disper pottle in 15 sec ispenser filling 1.4 ounces (1.5 ounces 1.6 ounces (1.8 ounces (1.8 ounces (he prices of the given below. We per ounce?	Chocolate C nser filled a conds. At w the bottle? per second per second	hip Cook 24-ounc /hat rate of ketch e costs th Pri \$4	e wate was the up are ne least
3.	 How model A. 26 B. 28 C. 32 D. 38 Finn need bed. If it 	any stude eds 8 bag ne can sp he most 1	nts per s of mu pend a r	teacher ar	Tower of \$30,	A. B. C. D.	A water disper pottle in 15 sec ispenser filling 1.4 ounces p 1.5 ounces 1.6 ounces p 1.8 ounces p the prices of the given below. We per ounce? Bottle A B	Chocolate C nser filled a conds. At w the bottle? per second per second	hip Cook 24-ounc /hat rate of ketch e costs th Pri \$4 \$3	ies e wate e was th nup are ne least .00 .15
3.	 A. 26 B. 28 C. 32 D. 38 Finn need bed. If Performs the set of the s	any stude eds 8 bag he can sp he most 1 5 50	nts per s of mu pend a r	teacher ar	Tower of \$30,	A. B. C. D.	A water disper pottle in 15 sec ispenser filling 1.4 ounces (1.5 ounces 1.6 ounces (1.8 ounces (1.8 ounces (he prices of the given below. We per ounce?	Chocolate C nser filled a conds. At w the bottle? per second per second	hip Cook 24-ounc /hat rate of ketch e costs th Pri \$4 \$3	e wate was the up are ne least



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22. Write the value below as a <u>decimal</u> .	23. Which statement is true?
135%	A. $\frac{7}{10} = 7\%$ B. $0.05 = \frac{1}{5}$ C. $1.8\% = 0.018$ D. $2.5 = 25\%$
24. Write the value below as a <u>percent</u> . 14 25	25. Write the value below as a <u>percent</u> . 28 32
26. Write the value below as a <u>percent</u> . $\frac{4}{3}$	27. Marty has been late for work 6 out of the past 80 working days. What percent of the days has she been late?
28. Write the value below as a <u>fraction</u> in simplest form.55%	29. Which fraction correctly represents 0.3%? A. $\frac{1}{3}$ B. $\frac{3}{10}$
	B. $\frac{3}{10}$ C. $\frac{3}{100}$ D. $\frac{3}{1000}$

30. Which va that apply		s than 6%?	Check all	31. In order to go from least to greatest, which value could be placed in the box?
	4.5	0.008	3	4 / 5 , ? , 90%
	$\Box 0.0275 \qquad \Box 0.1$			A. $\frac{19}{25}$ C. $\frac{5}{6}$
	20	$\Box \frac{3}{10}$		B. 8.5 D. 0.085
32. Using the	e letters, ord	ler the list o	f values below	w from <u>greatest</u> to <u>least</u> .
Α	В	С	D	
$\frac{2}{25}$	60%	0.095	$\frac{1}{8}$	
				////
33. What is 3	5% of 60?			34. Tyler works 40 hours each week. If he has worked 72% of his usual work week, how many hours does he have left?
				A. 28.8 hours
				B. 27.2 hours
		Γ		C. 12.8 hours
				D. 11.2 hours
35. The finance charge on a credit card is 6% of the balance on the card at the end of the month. If Beth ends a month with a \$350 balance, what is the finance charge for the month?				36. A city in Virginia averages 42 inches of rain each year. In 2016, the amount of rainfall was 140% the average. How many inches of rain fell that year?
A. \$18				A. 52.4 inches
B. \$21				B. 54.8 inches
C . \$24				C. 56.2 inches
D. \$28				D. 58.8 inches

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