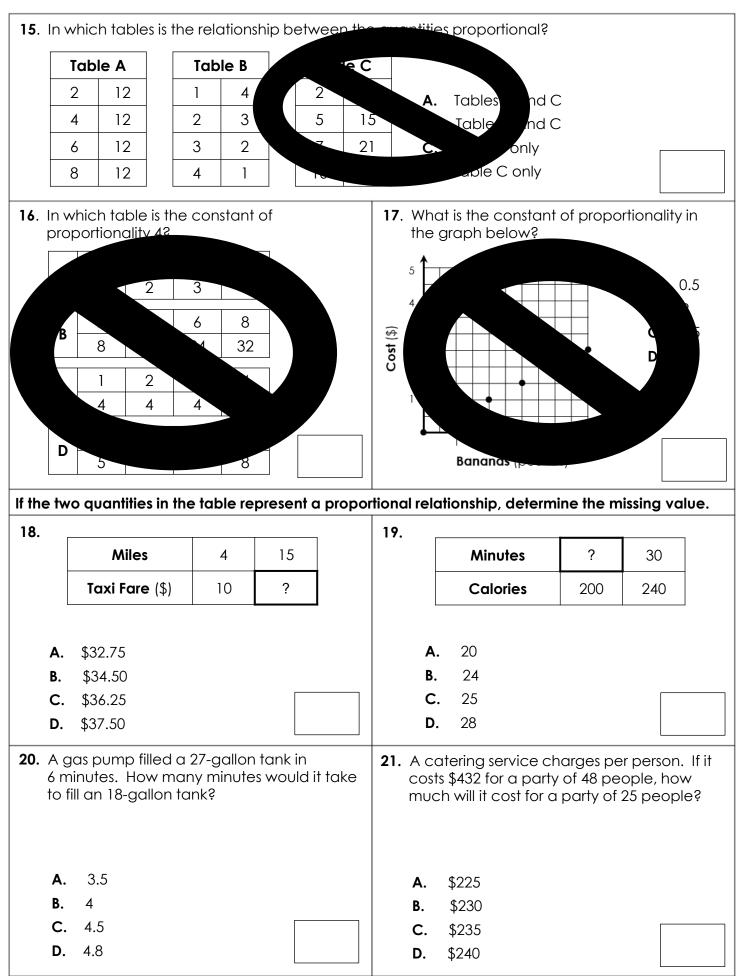
Name:		Unit 2 Study Guide			
Date:	Per:	Proportional Relationships & Percents			
		the left, write a ratio for the total number of er of unshaded squares in simplest form.			
correct?	e test. Which ratio	<b>3.</b> There are 16 yellow, 8 pink, and 12 blue highlighters in a drawer. What is the ratio of yellow highlighters to the total number of highlighters? Write your answer as a fraction in simplest form.			
<ul> <li>A. 4 to 21</li> <li>B. 4 to 25</li> <li>C. 21 to 4</li> <li>D. 25 to 4</li> </ul>					
<ul> <li>Which of the following</li> <li>A. There are exactly</li> <li>B. There are exactly</li> <li>C. There are exactly</li> </ul>	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.			
<ul> <li>5. Fill in the box with a vorratios equivalent.</li> <li>4 : Construction</li> </ul>	alue that will make the and 32:72	<ul> <li>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?</li> <li>A. 30</li> <li>B. 35</li> <li>C. 40</li> </ul>			
		<b>D.</b> 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			
	<ul> <li>A. 26</li> <li>B. 28</li> <li>C. 32</li> <li>D. 38</li> </ul>	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.	<ul> <li>How model</li> <li>A. 26</li> <li>B. 28</li> <li>C. 32</li> <li>D. 38</li> <li>Finn need</li> <li>bed. If it</li> </ul>	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.	<ul> <li>How model</li> <li>A. 26</li> <li>B. 28</li> <li>C. 32</li> <li>D. 38</li> <li>Finn need</li> <li>bed. If it</li> </ul>	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.	<ul> <li>How model</li> <li>A. 26</li> <li>B. 28</li> <li>C. 32</li> <li>D. 38</li> <li>Finn need</li> <li>bed. If it</li> </ul>	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.	<ul> <li>How model</li> <li>A. 26</li> <li>B. 28</li> <li>C. 32</li> <li>D. 38</li> <li>Finn need</li> <li>bed. If it</li> </ul>	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.	<ul> <li>A. 26</li> <li>B. 28</li> <li>C. 32</li> <li>D. 38</li> <li>Finn need bed. If Performs the set of the s</li></ul>	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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<b>22.</b> Write the value below as a <u>decimal</u> .	23. Which statement is true?
135%	<b>A.</b> $\frac{7}{10} = 7\%$ <b>B.</b> $0.05 = \frac{1}{5}$ <b>C.</b> $1.8\% = 0.018$ <b>D.</b> $2.5 = 25\%$
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?
<ul><li>28. Write the value below as a <u>fraction</u> in simplest form.</li><li>55%</li></ul>	<b>29.</b> Which fraction correctly represents 0.3%? <b>A.</b> $\frac{1}{3}$ <b>B.</b> $\frac{3}{10}$
	<b>B.</b> $\frac{3}{10}$ <b>C.</b> $\frac{3}{100}$ <b>D.</b> $\frac{3}{1000}$

<b>30.</b> Which va that apply		s than 6%?	Check all	<b>31.</b> In order to go from least to greatest, which value could be placed in the box?
	4.5	0.008	3	<b>4</b> / <b>5</b> , <b>?</b> , 90%
	$\Box 0.0275 \qquad \Box 0.1$			<b>A.</b> $\frac{19}{25}$ <b>C.</b> $\frac{5}{6}$
	20	$\Box  \frac{3}{10}$		<b>B.</b> 8.5 <b>D.</b> 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	$\frac{1}{8}$	
				////
<b>33.</b> What is 3	5% of 60?			<b>34.</b> Tyler works 40 hours each week. If he has worked 72% of his usual work week, how many hours does he have left?
				<b>A.</b> 28.8 hours
				<b>B.</b> 27.2 hours
		Γ		<b>C.</b> 12.8 hours
				<b>D.</b> 11.2 hours
<b>35.</b> 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?				<b>36.</b> 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?
<b>A.</b> \$18				<b>A.</b> 52.4 inches
<b>B.</b> \$21				<b>B.</b> 54.8 inches
<b>C</b> . \$24				<b>C.</b> 56.2 inches
<b>D.</b> \$28				<b>D.</b> 58.8 inches

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