of parts in the whole	AN ARROW to the [	IRCLE the NUMERATOR (this number represent part of DENOMINATOR (this number represents the number					
PART B: Draw a mo	del to represent 5/9.	最弱 III OR					
2) You collected 2/9 1/3 pound of candy have altogether?	of a pound of cand leftover from a birth	dy after a trip to your grandparents' house. You had day party you attended. How much candy do you					
		C) 2/3 D) 8/9					
3) The table below shows the amount of flour, in cups, needed to make different baked goods.							
Project	Amount of Flour	Emily is baking sweets for a bake sale. She has 4 ¼ cups of flour to use. What items from the table can					
Sugar Cookies	(in cups) 2 3/4	Emily bake that will use EXACTLY 4 1/4 cups of flour.					
Chocolate Crepes	1 ½	Write your answer below.  Butterscotch Bars, Cobbler					
Peach Crumble	1	and Peach Crumble					
Butterscotch Bars	1 1/4	OR					
Cobbler	2	Sugar Cookies and Chacolate					
	*	Crépes					
4) At a pizza party, st pizzas were eaten al	rudents ate 7 3/8 per together? 73,	operoni pizzas and 3 1/2 cheese pizzas. How many					
PART A: Select ALL the options that show an equation that can be used to solve the word problem above.							
(A) $7\frac{6}{16} + 3\frac{8}{16} = 8$ (B) $\frac{56}{8} + \frac{24}{8} = 6$ (C) $\frac{3}{8} + 3\frac{1}{8} = 6$ (D) $\frac{3}{8} + 3\frac{4}{8} = 6$							
PART B: Solve. HOW MANY PIZZAS WERE EATEN ALTOGETHER?							
5) Choose the best a	nswer. Simplifying me	ay be needed to find the best choice. 5/9 + 6/8 =					
A) 11/17 + 5x8- 4 (2x9=	B) 1.1/72 $\frac{40}{72}$ $\frac{54}{12}$ $\frac{94}{72}$ = $\frac{22}{72}$ = $\frac{1}{72}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$					

Name: \_\_\_\_\_ #: \_\_\_ Adding & Subtracting Fractions Practice

6) The table below shows the amount of flour, in cups, needed to make different baked goods.

	97				
Project	Amount of Flour				
	(in cups)				
Sugar Cookies	2 3/4				
Chocolate	1 ½				
Crepes					
Peach Crumble	1				
Butterscotch Bars	1-1/4				
Cobbler	2				

7) After a party, Brittany had leftover cakes. She has  $\frac{1}{5}$  of a chocolate cake,  $\frac{3}{10}$  of a strawberry cake, and  $\frac{2}{15}$  of a Funfetti cake.

PARI A: How much le	ff over cake di	id Brittany h	nave alto	gether? Writ	e you	ur ansv	ver in a
complete sentence.	1 9	4	(19)			19	
5+花+た=	30 + 30	+ 30 =	30)	There	is	30	cake
loftovor from	n the	ravlu.					

PART B: Brittany's brother, Steve, brought home 1/2 of a cake from a birthday party he attended. How much more cake does Brittany have than Steve? Write your answer in a complete sentence.

more cake than Steve.

(2) To make a gallon of fruit juice mix, Lola adds 3/8 gallon of grape juice with 5/16 gallon of apple juice. She fills the rest of the container with orange juice to make one gallon of fruit juice mix. How much orange juice will Lola need to add to make a whole gallon of juice?

Write your answer in a complete sentence.  $\frac{3}{8} + \frac{5}{16} = \frac{16}{16} + \frac{5}{16} = \frac{11}{16} = \frac{$ more juice to fill the container.

9) Choose the best answer. Simplifying may be needed to find the best choice. 
$$3/8 - 2/16 = 48$$

A)  $5/16$ 
B)  $2/8$ 
C)  $1/8$ 
D)  $8/16$ 
D)  $8/16$ 
10 Find the difference in SIMPLEST form:
$$12\frac{3}{8} - 3\frac{7}{10} = \frac{120}{10} - \frac{37}{10} = \frac{87}{10}$$
A)  $7\frac{1}{10}$ 
B)  $8\frac{9}{10}$ 
C)  $8\frac{1}{10}$ 
D)  $9\frac{2}{10}$ 

## SOL 4.5 Study Guide

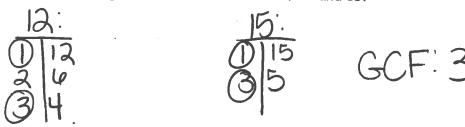
Directions: Complete this study guide o<del>ver the weekend.</del> Please know how to do each and every problem on this study guide in order to prepare for our Math test.

1. What is the least common multiple of 6 and 9?

LCM:18

2. Circle ALL of the common factors of 12 and 24.

3. What is the greatest common factor of 12 and 15?



4. Mr. Lewter made a list of all the common factors of 10 and 20. What would his list look like?

 $LM: 12^{5}$ . Solve and simplify. 3 2/3 + 4 1/4 =

$$+3\frac{3}{3}\times\frac{4}{4}=3\frac{8}{12}=7\frac{11}{12}$$

$$+44\times\frac{3}{3}=4\frac{3}{12}=7\frac{11}{12}$$

Subtract. Simplify your answer.

$$9/10-3/10=\frac{4}{10}=\frac{3}{5}$$

$$\frac{6}{10} \cdot \frac{2}{2} = \frac{3}{5}$$

2.) Divide both the numerator and denominator by the GCF.

Subtract. Simplify your answer.

LCM: 24 To simplify

$$6/8 - 1/3 = 24 = 12$$

$$-\frac{6}{8} \times \frac{3}{3} = \frac{18}{24}$$

$$-\frac{1}{3} \times \frac{8}{8} = \frac{8}{24} = \frac{10}{24}$$

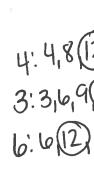
$$\frac{10}{34} \cdot \frac{2}{2} = \frac{5}{12}$$

add

8. Mrs. Sutherland and Mrs. Gettle shared a pizza for lunch. Mrs. Gettle ate 1/3 of the pizza and Mrs. Sutherland ate 2/5 of the pizza. How much pizza was eaten?

$$\frac{1}{3} \times \frac{5}{5} = \frac{5}{15} = 15$$

$$+ \frac{1}{3} \times \frac{3}{3} = \frac{10}{15}$$



$$\frac{94 \times \frac{3}{3}}{\frac{3}{3}} = \frac{27}{12}$$

$$\frac{7}{3} \times \frac{4}{4} = \frac{28}{12}$$

To make an improper fraction a mixed nymber you divide

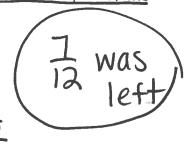
10. Challenge Question: Dylan and Zach shared a pizza for lunch. Dylan ate 1/6 of the pizza and Zach ate 1/4 of the pizza. In lowest terms, what <u>fractional part of the</u>

9. Mrs. Rumbaugh drank 2 1/4 cups of water in the morning, 3 1/3 cups of water in

the afternoon, and 2/6 cup of water at night. How much water did Mrs. Rumbaugh

$$\frac{1}{1} + \frac{1}{1} = \frac{2}{12} + \frac{3}{12} = \frac{5}{12}$$

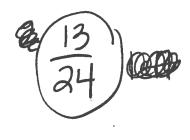
$$\frac{1}{6} \times \frac{2}{12} = \frac{7}{12} - \frac{7}{12} = \frac{7}{12}$$



11. Mr. Lewter needs 7/8 cups of sugar. If he already has 1/3 of a cup of sugar, how much more does he need?

$$-\frac{7}{8} \times \frac{3}{3} = \frac{21}{24}$$

$$\frac{1}{3} \times \frac{8}{8} = \frac{8}{24}$$



27			
			8