Name:	Date:	Period	Unit 2 Test	t - GCF and LCM	and the second s	ese (constant
1. What is the <u>greatest common factor</u> of 36 and 63?			2. What is the <u>least common multiple</u> of 6 and 8?			
A. 3 B. 6	C. 9	D. 18	A. 2	B. 4	C. 24	D. 32
				·		
 3. Jason and Sandra had a day off from work on October 1. Jason was off from work every third day, and Sandra was off from work every fourth day. When was the next day both Jason and Sandra were off from work? 4. Sarah bought 96 pencils and 84 erasers to make bags for her friends. Each bag will have the pencils and eraser Each bag will have the same number of pencils. Each bag will have the same number of erasers. 					nd erasers. mber of	
C. October 12 D. October 13			If she uses al pencils Sarah	ll the supplies, w n can put in each	hat is the greate bag?	est number of
			A. 6	B. 8	C. 12	D. 16
 The same numb 	nts and chaperones per of students will l per of chaperones w	will be in a grou be in each group vill be in each gro	ıp.).			

D. 18

A. 2

B. 3 C. 9

6.	At the grand opening of a restaurant, every eighth			
	customer received a free desert, and every sixth			
	customer received a free salad. Out of 100			
	customers, how many customers received both a			
	free salad and a free dessert?			

A. 4

B.7

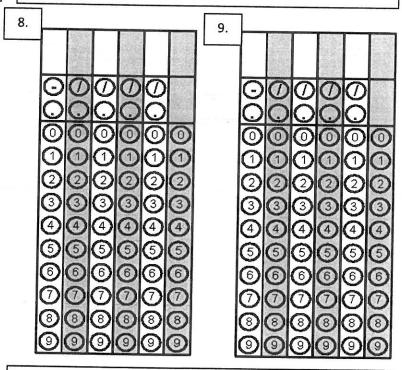
C. 12

D. 17

- 7. Jason is buying hot dogs and hot dog buns. Hot dog buns come in packages of 8 and hot dog buns come in packages of 10. How many packages of <u>each</u> will Jason need to buy so there are not hot dogs of or hot dog buns left over?
- A. 6 packages of hot dogs and 5 packages of hot dog buns
- B. 5 packages of hot dogs and 5 packages of hot dog buns
- C. 5 packages of hot dogs and 4 packages of hot dog buns

8. A cook has 16 slices of roast beef and 24 small potatoes. Each plate should have the same number of slices of roast beef and the same number of small potatoes. What is the largest number of plates that can be made with no roast beef or small potatoes remaining?

9. In 2011, both Molly and Jerry went to the beach. Molly goes to the beach every 2 years. Jerry goes to the beach every 3 years. What is the next *year* that both Molly and Jerry will go to the beach in the same year?



10. Martha has 90 red tiles and 72 yellow tiles. She wants to place the tiles in rows using one color for each row without having any tiles left over. Each row must the same number of tiles. What is the greatest number of tiles Martha can use for each row?

A. 6

B. 9

C. 18

D. 30