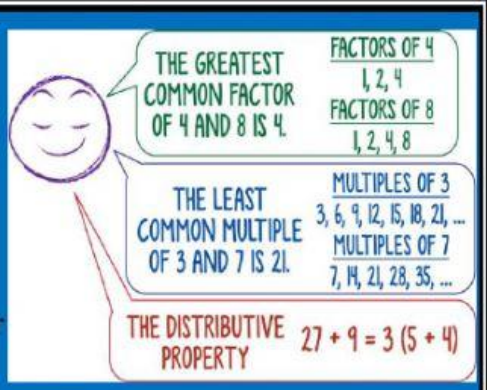
Name_____

Date_____

Mathematics

Lowest Common Multiple and Greatest Common Factor



GCF and LCM Word Problem Key Words

GREATEST COMMON FACTOR			LOWEST COMMON MULTIPLE		
greatest	largest	biggest	Smallest	least	first
divide	arrangement	break	both	same	equal
maximum	split up	groups	minimum	identical	next time

Read each word problem, then solve using greatest common factor or lowest common multiple.

1. Kamal has 6 cans of regular soda and 15 cans of diet soda. He wants to create some identical refreshment tables that will operate during the American football game. He also doesn't want to have any sodas left over. What is the greatest number of refreshment tables that Kamal can stock?

Answer_____

2. Sapphire and Abe are shelving books at a public library. Sapphire shelves 5 books at a time, whereas Abe shelves 6 at a time. If they end up shelving the same number of books, what is the smallest number of books each could have shelved?

Answer_____

LIVEWORKSHEETS

3. For a dinner party, Abraham is creating individual servings of starters. He has 9 carrot sticks and 18 celery sticks. If he wants each serving to be identical, with no food left over, what is the greatest number of servings Abraham can create?

Answer_____

4. To encourage public transportation, Rupert wants to give some friends envelopes with bus tickets and subway tickets in them. If he has 18 bus tickets and 12 subway tickets to split equally among the envelopes, and wants no tickets left over, what is the greatest number of envelopes Rupert can make?

Answer_____

5. Miley and Cole ended up making the same number of biscuits for a bake sale at school, even though Miley made them in batches of 4 biscuits and Cole made them in batches of 7 biscuits. What is the smallest number of biscuits each must have baked?

Answer_____

LIVEWORKSHEETS