

Name: _____

LCM & GCF Word Problems

LCM

Key Words:

GCF

Key Words:

Steps

1)

2)

3)

Word Problems:

1. Two faucets are dripping. One faucet drips every 4 seconds and the other faucet drips every 22 seconds. If a drop of water falls from both faucets at the same time, how many seconds will it be before you see the faucets drip at the same time again?
2. There are 14 girls and 21 boys in Mr. Rice's gym class. To play a certain game, the students must form teams. Each team must have an equal number of boys on it and an equal number of girls. What is the greatest number of teams Mr. Rice can make if every student is on a team? How many boys and girls will be on each team?
3. Mrs. Crafton is making party bags. She has 60 Starbursts, 36 Smarties, and 48 bags of M&M's. She wants to make all the bags exactly alike. What is the greatest amount of bags she can make?

- Two students in class are stacking blocks on top of one another. Greg's blocks are 4 cm high and Daniel's blocks are 9 cm high. How tall will their stacks be when they are the same height for the second time?
- As 200 students enter the gym, some students received prizes. Every 6th student received a pencil, every 9th student received a ruler, and every 10th student received a tee shirt. How many students will receive all three prizes?