

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the questions.

## GCF & LCM

## WORD PROBLEMS

1. Boxes that are 12 inches tall are being stacked next to boxes that are 18 inches tall. What is the shortest height at which the two stacks will be the same height?
2. Two neon lights are turned on at the same time. One blinks every 4 seconds and the other blinks every 6 seconds. In 60 seconds, how many times will they blink at the same time?
3. Pencils come in packages of 10. Erasers come in packages of 12. Vina wants to purchase the smallest number of pencils and erasers so that she will have exactly 1 eraser per pencil. How many packages of pencils and erasers should Vina buy?
4. Beginning at 8:30 A.M., tours of the National Capitol and the White House begin at a tour agency. Tours for the National Capitol leave every 15 minutes. Tours for the White House leave every 20 minutes. How often do the tours leave at the same time?
5. John baked 30 oatmeal cookies and 48 chocolate chip cookies to package in plastic containers for his friends at school. He wants to divide the cookies into identical containers so that each container has the same number of each kind of cookie. If he wants each container to have the greatest number of cookies possible, how many plastic containers does he need?