

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

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

## GCF & LCM

Answer the questions.

## WORD PROBLEMS

Cups are sold 6 to a package and plates are sold 8 to a package.  
If you want to have the same number of each item for a party,  
what is the least number of packages of each you need to buy?

I want to plant 45 sunflower plants, 81 corn plants and 63 tomato plants in my garden.  
If I put the same number of plants in each row and each row has only one type of plant,  
what is the greatest number of plants I can put in one row?

A full moon occurs every 30 days.  
If the last full moon occurred on a Friday,  
how many days will pass before a full moon occurs again on a Friday?

At the gym, Sam swims every 6 days, runs every 4 days and cycles every 16 days.  
If he did all three activities today, in how many days will he do  
all three activities again on the same day?

Vanes needs to ship 14 rock CDs, 12 classical CDs, and 8 pop CDs. She can pack only  
one type of CD in each box and she must pack the same number of CDs in each box.  
What is the greatest number of CDs Vanes can pack in each box?