

# Header Cards

**GCF**

{Greatest Common Factor}

**LCM**

{Least Common Multiple}

## Card Set: Word Problems

You are making 75 mint chocolate bars and 45 caramel pecan bars for some gift boxes. If each box will contain exactly the same bars, what is the greatest number of gift boxes you can put together? A

A package of hotdogs contains 10 hot dogs. A package of buns contains 8 buns. What is the least number packages of buns and hot dogs you must purchase, so you won't have left over hot dogs? B

A party store is making balloon bouquets for a Halloween party. Every bouquet will be identical. The store will use 24 orange, 36 black and 12 purple balloons altogether. What is the greatest number of balloon bouquets the store will put together? C

You are making cookies for a party. You are not sure whether you will have 12 friends or 20 friends show up at the party, and you want each person to have the same number of cookies. What is the least number of cookies you must make in order to share equally with either 12 friends, or with 20 friends? D

Ms. Skinner was working with the volunteer club to make bags of treats for the nursing home visit. She bought a bag of 18 chocolates and a bag of 12 pens. What is the greatest number of bags she can make? E

## Card Set: Word Problems (Cont'd)

Mr. Brian is planning a staff party. Plates come in packs of 8 and napkins come in packs of 12. Mr. Brian wants to buy the same number of napkins and plates. What is the smallest number of plates Mr. Brian can buy? F

Claire takes private lacrosse lessons every 6 days and piano lessons every 4 days. In how many days will she have both piano and lacrosse on the same day? G

Mrs. White's students are making school spirit packs. They have 24 bumper stickers and 18 window clings. Every pack must have the same contents, and there should be no leftover items. What is the greatest number of packs they can make? H

Sandi bought two pieces of wood in lengths of 24 inches and 20 inches. She needs to cut the wood into pieces of equal length. What is the greatest possible length of the pieces? I

A box of chocolate chip cookies holds 24 cookies. A box of peanut butter cookies holds 12 cookies. A group of students share the cookies in each box. Each student got an equal number of chocolate chip and peanut butter cookies from each box. What is the greatest number of students there could be in this group? J

## Card Set: Word Problems (Cont'd)

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? K

Bridget has swimming lessons every fifth day and diving lessons every third day. If she had a swimming lesson and a diving lesson on May 5, when will be the next date on which she has both swimming and diving lessons? L

A local radio station is having a contest in which every 12th caller receives a recently released CD and every 20th caller receives four free tickets to an upcoming concert. Which caller will be the first to receive both prizes? M

Three pigs entered a race around a track. Piggly takes 6 minutes to run one lap. Piglet takes 3 minutes to run one lap and it takes Wiggly 5 minutes to run one lap. If all three pigs begin the race at the same time, how many minutes will it take for all three pigs to be at the starting point again? N

Shannon is making identical balloon arrangements for a party. She has 32 maroon balloons, 24 white balloons, and 16 orange balloons. She wants each arrangement to have the same number of each color. What is the greatest number of arrangements that she can make if every balloon is used? O

Name (s): \_\_\_\_\_

Group: \_\_\_\_\_

# GCF & LCM Word Problem Sort

Problem	GCF/LCM??	Solve
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		
N		
O		

Name (s): \_\_\_\_\_

Group: \_\_\_\_\_

# GCF & LCM Word Problem Sort

Problem	GCF/LCM??	Solve
A	GCF	15
B	LCM	40
C	GCF	12
D	LCM	60
E	GCF	6
F	LCM	24
G	LCM	12
H	GCF	6
I	GCF	4
J	GCF	12
K	LCM	60
L	LCM	15/May 20th
M	LCM	60
N	LCM	30
O	GCF	8