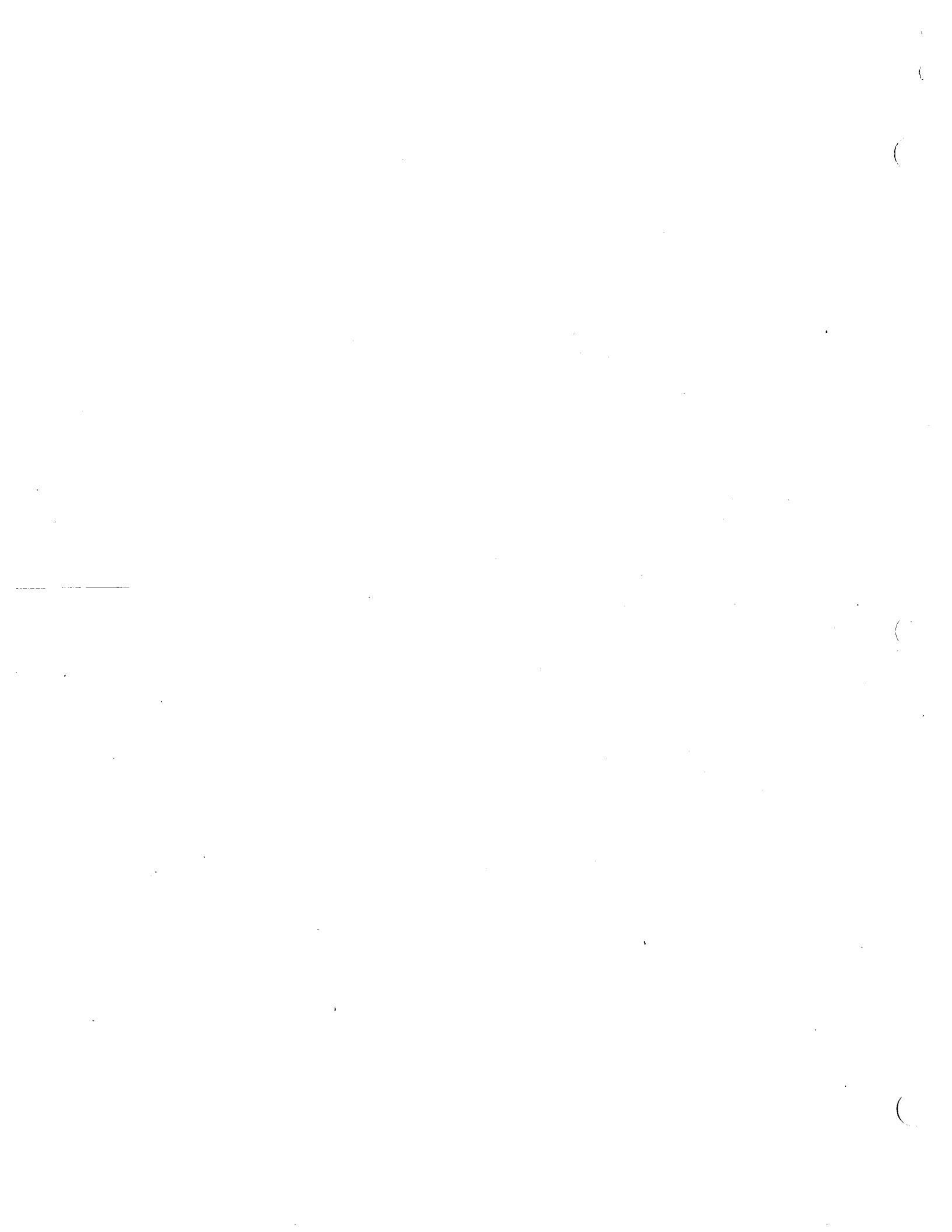


GCF and LCM Word Problem Match

<p>Paper cups come in packages of 8. Paper plates come in packages of 12. Eduardo wants to purchase the smallest number of paper cups and plates so that he will have exactly one plate per cup. How many of each does he have to buy?</p>	42
<p>Judith baked 30 peanut butter cookies and 48 chocolate chip cookies to package in plastic containers for her friends at school. She wants to divide the cookies into identical packages so that each package has the same number of each kind of cookie. If she wants each container to have the greatest number of cookies possible, how many packages does she need?</p>	16
<p>Boxes that are 14 centimeters tall are stacked next to boxes that are 21 centimeters tall. What is the shortest height at which the two stacks will be the same height?</p>	198
<p>Beginning at 10:30 am, tours of the Jelly Belly Factory and Ghirardelli Chocolate Factory begin at a tour agency. Tours for the Jelly Belly Factory leave every 15 minutes. Tours for the Ghirardelli Chocolate Factory leave every 20 minutes. How often do the tours leave at the same time?</p>	60
<p>There are 48 girls and 64 boys in an orchestra. The orchestra teacher plans to arrange the students in equal rows. Only girls or boys will be in each row. What is the greatest number of students that could be in each row?</p>	143
<p>At a display booth at the county fair, every visitor gets a gift bag. Some of the bags have items in them. Every 2nd visitor gets a water bottle, every 7th visitor gets a sticker, and every 10th visitor gets a t-shirt. What number bag will be the first bag to have all three items?</p>	6
<p><i>More Movies</i> and <i>Movies Plus</i> both package and ship DVDs. <i>More Movies</i> can fit 18 DVDs in each of their boxes. In contrast, <i>Movies Plus</i> will only have 11 DVDs in each box. If both businesses ended up shipping the same number of boxes this morning, what is the minimum number of packages each must have shipped?</p>	24
<p>Nathan is stocking bathrooms at brand new restaurant down town. He has 18 rolls of toilet paper and 9 bars of soap. If he wants all bathrooms to be stocked identically, with the same combination of supplies in each one and nothing left over, what is the greatest number of bathrooms Nathan can stock?</p>	70
<p>Jeff wishes to spread the word about his new businesses. He hands out stacks of 11 business cards for his Internet Company. He also hands out stacks of 13 business cards for his Insurance Company. At the end of the day, Jeff realizes that he gave out the same number of business cards for each business. What is the minimum number of each he distributed?</p>	2
<p>The Candy Store sells chocolate covered cinnamon bears in bags of 9 and Reese's Peanut Butter Cups in bags of 12. If Julio wants to have an equal amount of chocolate covered cinnamon bears and Reese's Peanut Butter Cups, how many of each will he have to buy?</p>	36
<p>Elissa is making cards for birthdays next year. She has 18 pieces of ribbon and 20 flowers. She wants each card to have exactly the same amount of ribbon and flower and wants no extra supplies left over.. What is the greatest number of cards that Elissa can make?</p>	9



Ratios Activity

Name: _____

Dates: _____

Oreo and Cookie (Mrs. Middaugh's hamster) like to run laps at night, once everyone has left the school! Cookie is faster than Oreo and for every 6 laps that Oreo runs Cookie runs 9. What is the ratio of laps that Cookie runs to the laps that Oreo runs?

Write the ratio three ways.

On Monday Oreo ran 18 laps. How many laps did Cookie run?

On Tuesday if Cookie ran 54 laps how many laps did oreo run?

On Wednesday if they both ran 54 laps, how many more laps does Cookie have to run to keep the ratio the same?

On Thursday they ran a combined total of 105 laps. How many laps did Oreo run? How many laps did Cookie run?

Over the weekend they ran a total of 225 laps. How many laps did each of them run if you keep the ratio the same?