Ke

PERIOD

Unit 7, Lesson 17: Common Multiples

NAME

- a. A green light blinks every 4 seconds and a yellow light blinks every 5 seconds. When will both lights blink at the same time? 6 4 8 12 16 20 20 seconds
 - b. A red light blinks every 12 seconds and a blue light blinks every 9 seconds. When will both lights blink at the same time?
 - c. Explain how to determine when 2 lights blink together.

 List multiples and find the common (same)

 a. List all multiples of 10 up to 100. 10 20 /30 40 50 60 70 80 90 100
 - b. List all multiples of 15 up to 100. 15 (30 45 60 75 90
 - c. What is the least common multiple of 10 and 15? LCM = 30
 - 3. Cups are sold in packages of 8. Napkins are sold in packages of 12.
 - a. What is the fewest number of packages of cups and the fewest number of packages of napkins that can be purchased so there will be the same number of cups as napkins?

b. How many sets of plates and napkins will there be?

Cups 8 16 24 32

Scups o 3 packs of cups = 24

Napkins 12 24 36

Napkins 12 24 36

24 sets not really sets fotal

- 4. ... Diego has 48 chocolate chip cookies, 64 vanilla cookies, and 100 raisin cookies for a bake sale. He wants to make bags that have all three cookie flavors and the same number of each flavor per bag.
 - a. How many bags can he make without having any cookies left over?

 48

 bags

 each

 bags

 each

 bags

 each

 bags

 each

 bags

 each

 bags

 each

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 defined the another solution to this problem equil

 bags

 from Unit 7, Lesson 16)