

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

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

Period: \_\_\_\_\_

## Problem Solving with *Multiples*

- 1) Elevator A stops at every third floor and elevator B stops at every fifth floor. At which floor will both elevators stop?
- 2) Maria has 2 jobs at home. Every 4 days she must clean the house. Every 5 days she must bring the grocery. If Maria cleans and brings groceries on December 1, what is the next date she will do both jobs?
- 3) Karen swims every 6 days. She plays soccer every 10 days. If Karen swims and plays soccer on October 1, what is the next date she will swim and play soccer?
- 4) Tom set his Christmas lights so that the green light goes on every 8 seconds and the red light every 10 seconds. When the lights are turned on, how many seconds will it take for the green and red lights to go on at the same time?
- 5) Carlos swims every 2 days. Tim swims every 3 days. Jody swims every 4 days. If they swim together on June 1, what is the next date when they will swim together?
- 6) Janet set her Christmas lights so that the green light goes on every 3 seconds, the red light every 4 seconds and the blue light every 5 seconds. When the lights are turned on, how many seconds will it take for green, red and blue lights to go on at the same time?
- 7) Janet set her Christmas lights so that the green light goes on every 4 seconds and the red light every 6 seconds. When the lights are turned on, how many seconds will it take for the green and red lights to go on at the same time?