



Objective: REVIEW

Day 3

VII. Investigating Multiples and Least Common Multiples

A. List the multiples of each number. Then, determine the least common multiple

1. 6, 9

2. 12, 30

3. 4, 7

4. 42, 70

5. 8, 11

6. 24, 40

B. Write the prime factorization for each number. Then, determine the least common multiple.

1. 28, 32

2. 40, 100

3. 18, 45

4. 30, 70

5. 50, 105

6. 126, 84

VIII. Solving LCM and GCF Problems

A. Use the scenario to answer each question.

1. Emilio's family volunteers at the local soup kitchen every 30 days. Emilio has swimming lessons every 9 days. He has both activities this Saturday. When will he have both activities again on the same day?
2. Yuko is volunteering at the food bank. He is creating Thanksgiving food baskets to give to local families. He has 192 cornbread muffins, 96 cans of vegetables, and 64 boxes of stuffing mix. What is the greatest number of baskets Yuko can create if he wants to use all of the items and have the same number of each item in each basket? How many of each item will be in a basket?
3. At the middle school, the bell rings every 40 minutes to tell the students to change classes. Across the street the clock above city hall chimes every 30 minutes. Both the school bell and the clock ring at noon. When will both bells ring again at the same time?
4. Belinda babysits her neighbor's children in the evening every 14 days. Belinda goes to visit her grandmother in the afternoon every 21 days. Belinda has both activities planned for today. Will Belinda have both activities again on the same day within 30 days? Explain your reasoning.

5. Hector is dividing students into groups for a nature hike. He wants to divide the boys and girls so that each group has the same number of both boys and girls. There are 21 boys and 56 girls signed up for the hike. Into how many groups can the students be divided? How many boys and how many girls will be in each group?
6. Ramona is filling window box planters that will be sold to benefit a local charity. She has 56 pansies, 42 tulips, and 28 marigolds. What is the greatest number of planters she can fill if she wants to use all of the flowers and have the same number of each type of flower in each planter? How many of each flower type will be in a planter?

