

MATH 5: HANDOUT 2
REVIEW II



Picture from New Elementary Math Textbook 1.

THIS WEEK WE REVIEWED FOLLOWING TOPICS IN THE CLASS

- How to find all factors by using prime factors;
- LCM, GCD. Finding by listing of all factors;
- Finding GCD and LCM using prime factorization.

PROBLEMS

1. Find LCM and GCD of 28 and 42
2. A package of plastic forks contains 16 forks. A package of plastic knives contains 12 knives. What is the smallest number of packages of each kind you have to buy to get exactly the same number of forks as knives?
3. Find all prime numbers less than 50 using sieve of Eratosthenes.

4. Cowboy Joe calculated $GCF(24, 320)$, got 48 as an answer, and immediately realized that he had made a mistake. How did he determine this? Can the GCF of several numbers be greater than at least one of these numbers?
5. You have 270 apples, 675 tangerines, and various sweets that you want to distribute in New Year's gifts. What is the largest number of identical gifts you can prepare with apples and tangerines, so that all of them are included in these gifts?
6. The number of apples in the box is less than 100. They can be divided equally between 2, 3, 4, 5, 6 children. How many apples are there in a box?
7. Redraw figures A and B in your notebook and break them into parts that make up a rectangle

