

1. In the textbook: Read Big Idea 5 on pp. 35-41.
  - a. Restate each of the three (3) Essential Understandings in your own words. Give your own example of each.
  - b. What is the name of the number that is written as a 1 followed by 100 zeros? (Note: its spelling is not the same as the well-known tech company.)
  
2. Use the 4-step problem solving process to solve this problem. Use the scoring rubric as a guide. Evaluate your solution on the scoring guide and attach one to your paper.

A bowl holds a lot of pennies. The pennies can be divided into equal shares among 3, 4, 5, 6, 7, or 8 people with no pennies left over each time. What is the smallest number of pennies that can be in the bowl?

### 3. Skills Practice

- a. Find the least common multiple (LCM) of each pair of numbers.
  - a. 16 and 20
  - b. 6 and 48
  - c. Any pair of primes  $p$  and  $q$
  
- b. Find the GCF of each pair of numbers.
  - a. 16 and 20
  - b. 6 and 48
  - c. Any pair of primes  $p$  and  $q$
  
- d. Write the prime factorization for 48. (Make a factor tree.)
  
- e. Name two manipulative materials that are proportional models for base ten computations.
  
- f. Name two manipulative materials that are non-proportional models for base ten computations.
  
- g. Think about base ten block materials. Draw a picture of 12.34 if you use the rod as the unit (ones).

If you were mailed/given the manipulatives because you are a totally online student or blended student, take a picture of the bean sticks you made and email it to Eric.