

Math 1303 - Math in the Liberal Arts

Homework #2 - 2008.01.16

Due Date - 2008.01.25

1. From page 210 in our book, we have rules tests for division by integers 2, 3, 4, 5, 6, 8 9 and 10. Using the internet or other sources, research tests for division by other integers such as 7 and 11. Do examples for each integer and each test that you find as well. Please cite your reference.

2. Find the prime factorization of 158760.

3. Find the prime factorization of 20580.

4. Using problems 2 and 3, compute the GCD of 158760 and 20580. You may leave your answer in prime factorization form if you wish.

5. Using problems 2 and 3, compute the LCM of 158760 and 20580. You may leave your answer in prime factorization form if you wish.