

Show your steps for each problem.

1. Check whether the following numbers are prime numbers.
 - a. 1007
 - b. 637
2. Find the greatest common divisor of 2091 and 4807.
3. Find the least common multiple of 110 and 273.
4. Convert a decimal number 1056 to a binary number.
5. Convert a decimal number 12340 to a hexadecimal number.
6. Convert a hexadecimal number 3E7C to a decimal number.
7. Convert a binary number 11011 to a decimal number.
8. Add the binary numbers, $101101 + 11011$.
9. Add the hexadecimal numbers $82054 + AEFA3$.
10. Find GCD & LCM of 2475 and 32670.