Prime Factors.

1. Write the following numbers as a product of their prime factors:
    a. 240
    b. 56
    c. 140
    d. 720

2. Find the lowest common multiple of the following pairs of numbers:
    a. (42, 80)
    b. (24, 60)
    c. (80, 300)
    d. (143, 374)

3. Calculate the highest common factors of the following sets of numbers:
    a. Hcf(45, 80)
    b. Hcf (48, 900)
    c. Hcf (55, 220)
    d. Hcf (24, 90)

4. Three composite numbers are A, B and C.

    $A = 3^6 \times 5^3 \times 7$

    $B = 3^2 \times 5 \times 7$

    $C = 3^3 \times 5^2 \times 7^3$

    a What is the hcf (A,B,C) ?

    b What is the hcf(A,B)?

    c Put these into order of size of value: lcm (A,B), lcm (B,C), lcm (A,C)