

Prime Factors: This is quite challenging so don't worry if you find it hard.

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)