LQ – How can we find factors and multiples of a number and find the HCF and LCM

(1) Write down the factors of the following numbers:

(a) 4
(b) 6
(c) 5
(d) 10
(e) 9
(f) 16
(g) 24
(h) 32
(i) 17
(j) 26
(k) 36

(2) Prime numbers only have 2 factors (themselves and 1). Tick which are prime numbers from your list above.

(3) Write out the first 5 multiples of the following numbers:

(a) 4
(b) 5
(c) 3
(d) 10
(e) 9
(f) 12
(g) 8
(h) 7
(i) 17
(j) 13
(k) 1

(4) Find the HCF and LCM of the following numbers:

(a) 4 and 6
(b) 3 and 5
(c) 8 and 12
(d) 8 and 10
(e) 9 and 6
(f) 5 and 15
(g) 3 and 8
(h) 4 and 10
(i) 15 and 20
(j) 6 and 8

(5) Fred is having a party. He needs a bun for every burger on the BBQ. Buns are sold in packs of 8 and burgers in packs of 6. What is the minimum number of packs he must buy of each to ensure every burger has a bun?