

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?

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- (m) 6
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- (p) 9
- (q) 16
- (r) 24
- (s) 32
- (t) 17
- (u) 26
- (v) 36

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- (w) 4
- (x) 6
- (y) 5
- (z) 10
- (aa) 9
- (bb) 16
- (cc) 24
- (dd) 32
- (ee) 17
- (ff) 26
- (gg) 36

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

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