1.5.3 Solutions (1.4 Homework)

1 mark for each correct answer

(i) P = { Forms of precipitation}
(ii) I = { Integers }
(iii) P = { Multiples of 3}
(iv) F = { 1, 2, 4, 8 }
(v) B = { Non negative integers in Binary }
(vi) C = { 1, 8, 27, 64, 125, 216, 343, 512, 729, 1000, ... }
(vii) P = { mum, dad, oxo, abba, madam, nurun (girl's name), ...}
(viii) F = { formulae for areas of 2D shapes}
(ix) M = { Pythagoras, Euclid, Euler, Fermat, Gauss, Riemann, Mandelbrot, ... }
(x) M = { 7, 14, 21, 28, 35, 42, 49, 56, 63, 70, ...}

(xi) S = { parts of a sail }
(xii) D = { springer, pointer, retriever, ... }
(xiii) P = { polygons }
(xiv) Q = { square, rectangle, kite, rhombus, parallelogram, trapezium, ... }
(xv) A = { size of angle descriptions }
(xvi) K = { knots }
(xvii) M = { alphabet in Morse code }
(xviii) F = { Factors of 18 }
(xix) M = { Multiples of 13 }
(xx) T = { Mathematical trigonometric functions }