Sets

Exercises:

1. Give a defining property for each of the following sets:

   a) { C, D, E, F, A, G, B }
   b) { England, Australia, USA, Scotland }
   c) { 1,2,3,4,6,12 }
   d) {4,8,12,16,20, etc }

2. Which of the following are null sets:

   a) { Primes divisible by 7 }
   b) { Asian countries that have won the world cup in soccer}
   c) { Whole numbers x, where 17 < x < 18 }
   d) { 0 }

3. Which of the following sets are finite or infinite:

   a) { a, b, c, d, e, ...x, y, z }
   b) { 2, 4, 6, 8, 10, 12 ...... }
   c) { factors of 12 }
   d) { multiples of 12 }
   e) { triangles }
   f) { Prime numbers }

4. In the following set of objects, sort out the odd element :

   a) {boat, car, aeroplane, petrol, bus }

   b) { Deer, chicken, cow, pig, sheep }

   c) { quadrilateral, square, pentagon, rectangle, paralelogram }

Sets

Exercises:

1. Give a defining property for each of the following sets:

   a) First seven letters of the English alphabet
   b) English speaking countries
   c) Factors of 12
   d) Multiples of 4

2. Which of the following are null sets:

   a, b, c

3. Which of the following sets are finite or infinite:

   Finite sets: a,c
   Infinite sets: b,d,e,f,

4. In the following set of objects, sort out the odd element :

   a) {boat, car, aeroplane, petrol, bus }

   b) { Deer, chicken, cow, pig, sheep }

   c) { quadrilateral, square, pentagon, rectangle, paralelogram }