

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 }

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 }