

★ A set is collection of objects.
Exercise 10(A)

1. State, whether, or not the following elements from a set; if not give reason:

(i) All the easy problems in your text book.

Ans- No; Some problems may be easy for one person but may not be easy to some other persons.

(ii) All the three sided figures.

Ans- Yes; because it is well defined that all the three sided figures are triangles.

(iii) The first five counting numbers.

Ans- Yes; because this statement was well-defined that the first five counting numbers are 1, 2, 3, 4 and 5.

(iv) All the tall boys of your class.

Ans- No; it is not mentioned that the tall boys must be taller than which boy.

(v) The last three days of a week.

Ans- Yes; it is well defined that Wednesday, Thursday and Friday are the last three days of a week.

(vi) All triangles that are difficult to draw.

Ans- No; It may be difficult for one student to draw a given triangle but to some other student it may not be difficult to draw the

same triangle.

(vii) The ~~last~~^{first} three letters of the English alphabet.

Ans- Yes; it is well defined because the ~~A, B and C~~^{A, B and C} are the first three letters of the English alphabet.

(viii) All tasty fruits.

Ans- No; because may apple tasty for some person but ~~is~~ not tasty for all people.

(ix) All the clever boys of Class 6.

Ans- No; because the objects given here do not form a set, as all the people do not clewreness of people boys is not well defined.

(x) All the good schools in Delhi.

Ans- No; the objects given here do not form a set, because all the people do not find the same schools as good as other.

(xi) All the girls in your class whose heights are less than your height.

Ans- Yes, the given elements form a set.

(xii) All the boys in your class whose heights are more than your height.

Ans- Yes, the given elements form a set.

(xiii) All the ~~game~~ problems in your Mathematics book that are difficult for Amit.

Ans- Yes, these elements form a set.