

Exercise 10(A)

1) State whether the following elements ~~are~~ form a set or not. 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 be difficult to some other person, here the objects are not well defined.

ii) All three sided figures.

Ans- Yes, the given elements form a set.

iii) The first five counting numbers.

Ans- Yes, the given elements form a set.

iv) All the tall boys of your class.

Ans- No, the objects given here don't form a set because the definition of tall boys is not well defined.

v) The last three days of the week.

Ans- Yes, the given elements form a set.

vi) All triangle that are difficult to draw.

Ans- No, the objects given here don't form a set, because it may be difficult to draw a given triangle for a boy but it may be easy for another to draw a same triangle.

vii) The first three letters of the English alphabet.

Ans- Yes, the given elements form a set.

viii) All tasty fruits

Ans- No, the objects given here don't form a set, because a fruit may be tasty for one person but it may not be tasty for another person.

ix) All clever boys of class 6.

Ans- No, the objects given here do not form a set, because cleverness of boy is not well defined.

x) All good schools in Delhi.

Ans- No, the objects given here don't form a set, because all the people don't find the same schools as good as other.

x) 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.

xii) All the problems in your Mathematics book, which are difficult for Amit.

Ans - Yes, the given elements form a set.