

rw
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Chapter-10 Set

- Collection of book
- Collection of vegetables
- Collection of pens

A group of boys playing cricket → Well defined
Favourite player of Indian cricket team → Not well defined

“A set is a collection of well defined objects.”

Exercise 10 (A)

i) State whether or not the following elements form a set; if not, give reasons.

i) All the easy problems in your text book.

Answer:- No, because these question may be easy for one but difficult for other.

ii) All the three sided figures.

Answer:- Yes

iii) The first five counting numbers.

Answer:- Yes

iv) All the tall boys of your class.

Answer:- No, because it may be taller for a some one and may not for another.

v) The last three days of a week.

Answer:- Yes

vi) All triangles that are difficult to draw.

Ans:- No, because all the triangles must be difficult for one to solve it may be easy for others to draw.

vii) The first five letters of the English alphabet.

Ans:- Yes

viii) All tasty fruits.

Ans:- No, because all the fruit may be tasty for one not for all.

ix) All clever boys of class 6.

Ans:- No, because one must be clever among all.

x) All good schools in Delhi.

Ans:- No, because one school may be best from other schools so other school maybe good but not the best.

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

Ans:- Yes

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

Ans:- Yes

xiii) All the problems in your Mathematic book that are difficult for Amit.

Ans:- Yes.