

Sets

Collection of books
Collection of vegetables
Collection of pens.

A group of boys playing cricket → well define

Favourite player of Indian cricket team
↓
not well defined.

A Set is collection well defined objects.

Ex - 10(A)

1.

- i) All the easy problems in your text book. It isn't a Set because it may be easy for some may not be easy for somebody. It is well defined.
- ii) All the three sides figure. Yes, it is a Set.
- iii) The first five counting numbers. Yes, it is a Set.
- iv) All the tall boys of your class. It is not a Set because some boys may be tall some boys may be short. It is well defined.
- v) The last three days of week. Yes, it is a Set.
- vi) All triangles that are difficult to draw. 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. Yes it is a Set.
- viii) All tasty fruits. 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.
- ix) All clever boys of class 6. No, the objects given here do not form a Set, because cleverness of boys isn't well defined.
- x) All good schools in Delhi. No, the objects given here don't form a Set, because all the people don't find the same schools as good as others.
- xi) All the girls in your class, whose heights are less than your height. Yes, it is a Set.
- xii) All the boys in your class, whose heights are more than your height. Yes, it is a Set.
- xii) All the problems in your mathematics book, which are difficult for Amit. Yes, it is a Set.