

1) Stat whether or not the followings elements form a set; if not, give reason.

i) All the easy problems in your text book. No, some problems maybe easy for one person, but may not be easy to some other persons.

ii) All the three sided figures. yes

iii) The first five counting numbers. yes

iv) All the tall boys of your class. No, for some people the tall boys could be more than 80 cm and for some

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people the tall boys would be more than 100 cm. So, it is not well-defined.

- i) The last three days of the week. yes.
- ii) All triangles that are difficult to draw. No, it may be difficult for some people and for some people the triangles are easy to draw.
- iii) All tasty fruits. No, some fruits maybe tasty for one person and some fruits maynot tasty for another person. So, it is not well-defined.
- iv) The first three letters of the English alphabet. yes
- v) All the clever boys of Class 6. No, some boys maybe clever for someone in something and others maybe clever for another person in another thing. So, it is not well-defined.
- vi) All the good schools in Delhi. No, some schools maybe good for someone and that school would be bad for

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another people. so, it is not well-defined.

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

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

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

Previous Knowledge Test

1) Write the set containing:

i) Write the first five counting numbers.

Ans $\rightarrow \{1, 2, 3, 4, 5\}$ is a set of first five counting numbers.

ii) The three types of triangles.

Ans $\rightarrow \{ \text{Right angle, Acute angle, Obtuse angle} \}$ is a set of three types of angles.

iii) The three types of triangles.

Ans $\rightarrow \{ \text{equilateral triangle, isosceles triangle, scalene triangles} \}$

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is a set of three types of triangles.

iv) The members of your family.

Ans \rightarrow { Father, Mother, Grandfather, Grandmother, Myself } is a set of the members of your family.