1) A survey was conducted by a car manufacturing unit to determine the popular vehicle type in a locality. Ninety-one residents preferred the SUV and 78 opted for the Sedan. Thirty-nine residents like both types. Represent the data in a Venn diagram.

a) How many residents in all participated in the survey?

b) How many residents did not prefer the SUV?

c) Find the number of residents who favored only the SUV.

2) A study was conducted among local preschools to find children’s favorite book. ‘The Cat in the Hat’ by Dr. Seuss got 93 likes and ‘Noddy’ by Enid Blyton got 78 likes. Forty-seven children liked both books. Represent the data in a Venn diagram.

a) What number of children preferred ‘Cat in the Hat’ over Noddy?

b) Find the number of children who preferred only ‘Noddy’ by Enid Blyton.

c) How many preschoolers were surveyed in all?
1) A survey was conducted by a car manufacturing unit to determine the popular vehicle type in a locality. Ninety-one residents preferred the SUV and 78 opted for the Sedan. Thirty-nine residents like both types. Represent the data in a Venn diagram.

- SUV: 52 residents
- Sedan: 39 residents
- Both: 39 residents

a) How many residents in all participated in the survey? 130 residents
b) How many residents did not prefer the SUV? 39 residents
c) Find the number of residents who favored only the SUV. 52 residents

2) A study was conducted among local preschools to find children’s favorite book. ‘The Cat in the Hat’ by Dr. Seuss got 93 likes and ‘Noddy’ by Enid Blyton got 78 likes. Forty-seven children liked both books. Represent the data in a Venn diagram.

- Cat in the Hat: 46 children
- Noddy: 31 children
- Both: 47 children

a) What number of children preferred ‘Cat in the Hat’ over Noddy? 46 children
b) Find the number of children who preferred only ‘Noddy’ by Enid Blyton. 31 children
c) How many preschoolers were surveyed in all? 124 children