

Name : _____

Drawing Venn Diagram - Without Universal Set

Draw: S3

Draw Venn diagrams based on the data provided and answer the questions that follow.

- 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 preferred the SUV? _____

b) How many residents preferred the Sedan? _____

c) Find the number of residents who preferred both SUV and Sedan. _____

- 2) A study was conducted to determine the favorite book of children. Forty-seven children preferred 'The Cat in the Hat' and 53 preferred 'Noddy'. Twenty-five children preferred both books. Represent the data in a Venn diagram.

_____ is favorite book.
Blyton got 78 likes.
_____ Venn diagram.

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a) What number of children preferred 'Cat in the Hat' over Noddy? _____

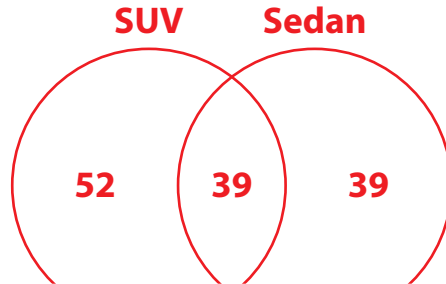
b) Find the number of children who preferred only 'Noddy' by Enid Blyton. _____

c) How many preschoolers were surveyed in all? _____

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- 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 preferred SUV?

130 residents

b) How many residents preferred Sedan?

39 residents

c) Find the number of residents who like both SUV.

52 residents

- 2) A study was conducted to find out the favorite book of children. Forty-seven children preferred 'The Cat in the Hat' and 46 preferred 'Noddy' by Enid Blyton. Represent the data in a Venn diagram.

46 children preferred 'Noddy' by Enid Blyton. Represent the data in a Venn diagram.

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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