

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 SUV? _____

b) How many residents preferred Sedan? _____

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

- 2) A study was conducted to determine the favorite book among children. 'The Cat in the Hat' by Dr. Seuss got 65 likes and 'Noddy' by Enid Blyton got 78 likes. Forty-seven children like 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? _____