

Name : _____

Score : _____

Drawing Venn Diagram - Without Universal Set

Draw: S1

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

- 1) Stroudsburg middle school awarded 21 medals to students who excelled in art and 35 medals to students for proficiency in dramatics. Fifteen students received medals in both the categories. Represent the data in a Venn diagram.
 - a) How many medals in all were awarded to the students? _____
 - b) What number of students won medals for excellence in art alone? _____
 - c) How many students won medals exclusively for dramatics? _____

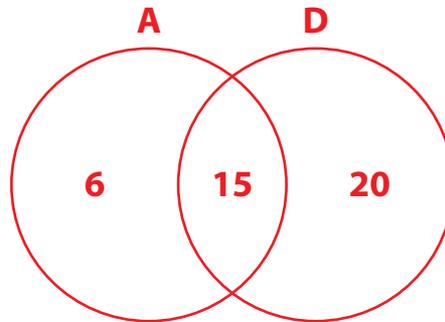
- 2) During a buffet breakfast, 41 diners picked up cups of coffee and 33 diners opted for juice. Eleven diners chose both. Draw a Venn diagram based on the information provided.
 - a) How many diners preferred to drink only coffee? _____
 - b) Find the total number of diners that were present at the buffet. _____
 - c) How many diners did not consume coffee? _____

Drawing Venn Diagram - Without Universal Set

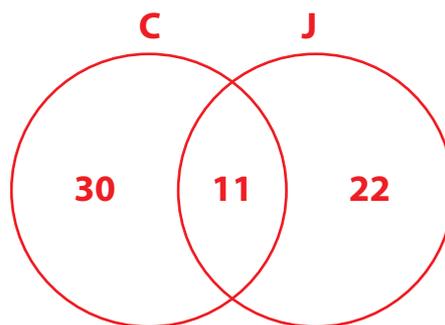
Draw: S1

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

- 1) Stroudsburg middle school awarded 21 medals to students who excelled in art and 35 medals to students for proficiency in dramatics. Fifteen students received medals in both the categories. Represent the data in a Venn diagram.



- a) How many medals in all were awarded to the students? 41 medals
- b) What number of students won medals for excellence in art alone? 6 medals
- c) How many students won medals exclusively for dramatics? 20 medals
- 2) During a buffet breakfast, 41 diners picked up cups of coffee and 33 diners opted for juice. Eleven diners chose both. Draw a Venn diagram based on the information provided.



- a) How many diners preferred to drink only coffee? 30 diners
- b) Find the total number of diners that were present at the buffet. 63 diners
- c) How many diners did not consume coffee? 22 diners

Drawing Venn Diagram - Without Universal Set

Draw: S2

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

- 1) Sixteen students of Grade 2 brought vegetables for their snack break and 21 of them brought fruits. The snack boxes of 9 children had a mix of fruits and vegetables. Represent the information provided in a Venn diagram.

a) How many snack _____

b) What is the total _____

c) How many snack _____

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- 2) Coach John bought
Twenty-eight playe
players consumed l

after a practice session.
rred salads. Five

a) How many players opted for salads? _____

b) How many players consumed sandwiches alone? _____

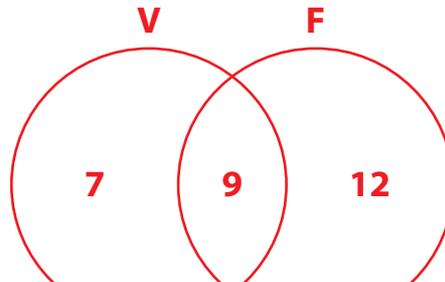
c) How many players in all attended the practice session? _____

Drawing Venn Diagram - Without Universal Set

Draw: S2

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

- 1) Sixteen students of Grade 2 brought vegetables for their snack break and 21 of them brought fruits. The snack boxes of 9 children had a mix of fruits and vegetables. Represent the information provided in a Venn diagram.



a) How many snack

7 snack boxes

b) What is the total

28 students

c) How many snack

12 snack boxes

- 2) Coach John bought
Twenty-eight playe
players consumed l

after a practice session.
rred salads. Five

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a) How many players opted for salads?

13 players

b) How many players consumed sandwiches alone?

23 players

c) How many players in all attended the practice session?

36 players

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 and 'Noddy' by Enid Blyton were the two most popular books. Forty-seven children preferred 'The Cat in the Hat' and 35 preferred 'Noddy'. Ten children preferred both books. Represent the data in a Venn diagram.

a) How many children preferred 'The Cat in the Hat' as their favorite book? _____

b) How many children preferred 'Noddy' as their favorite book? _____

c) How many children preferred both books? _____

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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. _____

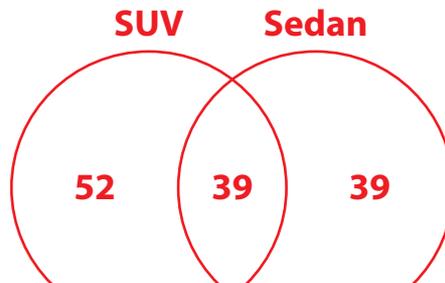
c) How many preschoolers were surveyed in all? _____

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?

130 residents

b) How many residents preferred Sedan?

39 residents

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

52 residents

- 2) A study was conducted to determine the favorite book among children. 'The Cat in the Hat' by Dr. Seuss was preferred by 46 children and 'Noddy' by Enid Blyton was preferred by 31 children. Forty-seven children preferred both books. 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