

Name : _____

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

b) What number of students
in art alone?

c) How many students
dramatics?

- 2) During a buffet breakfast, 33 diners opted for coffee and 11 diners opted for juice. Eleven diners opted for both coffee and juice. How many diners were present at the buffet?

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_____ 33 diners opted for coffee and 11 diners opted for juice. How many diners were present at the buffet?

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?

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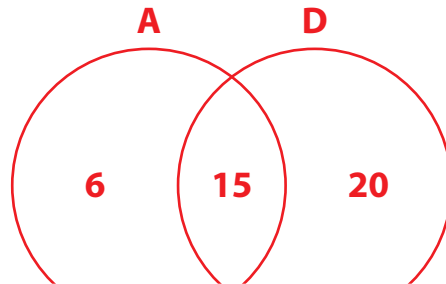
Answer Key

Drawing Venn Diagram - Without Universal Set

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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 were awarded in total? **41 medals**
- b) What number of students received medals in art alone? **6 medals**
- c) How many students received medals in dramatics? **20 medals**
- 2) During a buffet breakfast, 33 diners opted for coffee and 63 diners opted for juice. Eleven diners opted for both coffee and juice. How many diners did not consume either coffee or juice?
- 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**

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