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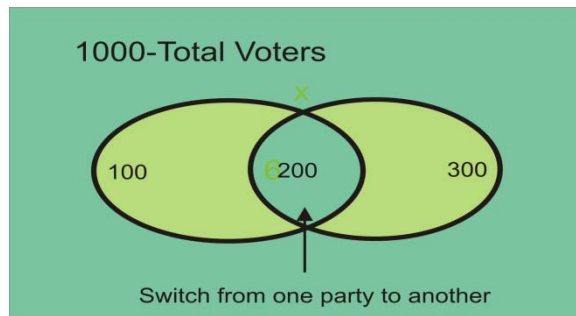
Date _____

Topic: Using Venn Diagrams -Review worksheet - 1

EXAMPLE

Problem:

In a recent poll of 1,000 registered voters, 30% said they have always been a Republican, 50% said they have always been a Democrat, and the remaining respondents said they have switched from one party to another at some point in their lives.



Step 1: How many people said they have always been a Democrat?

Step 2: As in venn diagram, people have always been Democrat are 300.

Step 3: **Answer:** 300

Practice this skill by completing the problems below

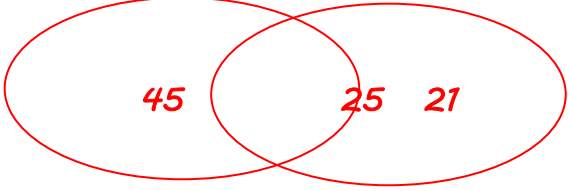
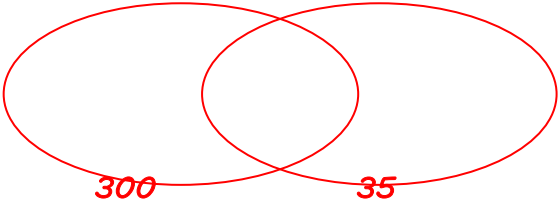
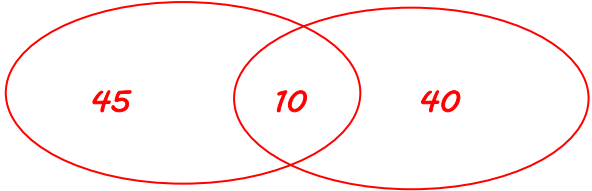
1. 100 students are preparing for a sport in which 45 are preparing for table-tennis, 21 for the football, and 25 take both table-tennis and football. How many students are not preparing for any sport
2. In the Asian games there are 1,500 players, 300 players are in the javelin throw, 250 players are in hockey, and 35 players participate in both activities. How many players are involved in either in javelin throw or hockey
3. In a certain examination 45 students scored above 60% on Math, 40 students scored above 40% on Science, and 10 students scored above 50% on both Math and Science. How many students scored above 50% either on math or on science



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Topic: Using Venn Diagrams -Review worksheet - 1 ANSWRES

1.	<p><i>100 - Total Students</i></p>  <p><u>Step 1:</u> As in Venn diagram, 9 students are not preparing for any sport. <u>Step 2:</u> ANSWER : 9</p>
2.	<p><i>1500 - Total players</i></p>  <p><u>Step 1:</u> As in Venn diagram, 585 Player are involved in either in javelin throw or hockey <u>Step 2:</u> ANSWER : 585</p>
3.	<p><i>95 - Total Students</i></p>  <p><u>Step 1:</u> As in Venn diagram, 55 students scored above 50% on both <u>Step 2:</u> ANSWER : 55</p>



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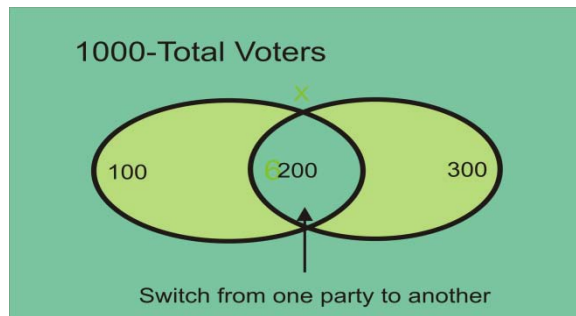
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Topic: Using Venn Diagrams -Review worksheet - 2

EXAMPLE

Problem:

In a recent poll of 1,000 registered voters, 30% said they have always been a Republican, 50% said they have always been a Democrat, and the remaining respondents said they have switched from one party to another at some point in their lives.



Step 1: How many people said they have always been a Democrat?

Step 2: As in venn diagram, people have always been Democrat are 300.

Step 3: **Answer:** 300

Practice this skill by completing the problems below

1. *In a class of 50 students, 18 take Chorus, 26 take Band, and 2 take both Chorus and Band. How many students in the class are not enrolled in either Chorus or Band?*
2. *In a school of 320 students, 85 students are in the band, 200 students are on sports teams, and 60 students participate in both activities. How many students are involved in either band or sports?*
3. *Survey of 100 college students, a marketing research company found that 75 students owned stereos, 45 owned cars, and 35 owned cars and stereos. How many students did not own either a car or a stereo?*



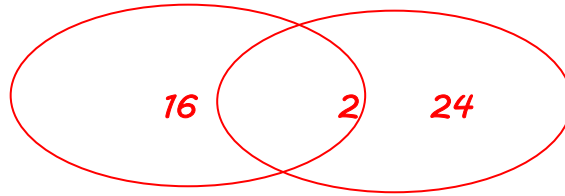
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Topic: Using Venn Diagrams - Review worksheet - 2 ANSWERS

1.

50 - Total Students

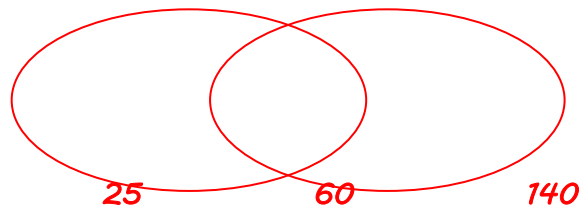


Step 1: As in Venn diagram, 8 students are not preparing for any enrolled

Step 2: ANSWER : 8

2.

320 - Total players

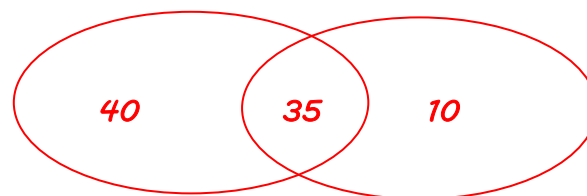


Step 1: As in Venn diagram, 225 students are involved in either band or sports

Step 2: ANSWER : 225

3.

100- Total Students



Step 1: As in Venn diagram, 15 students did not own either a car or a stereo

Step 2: ANSWER : 15



Name: _____

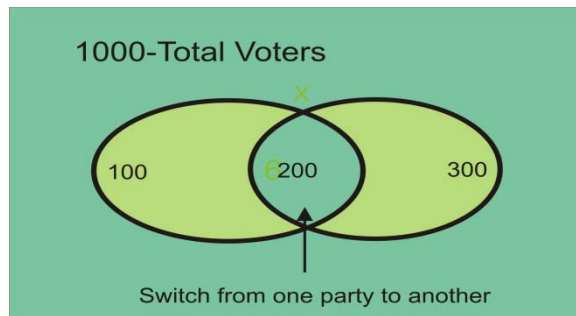
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Topic: Using Venn Diagrams -Review worksheet - 3

EXAMPLE

Problem:

In a recent poll of 1,000 registered voters, 30% said they have always been a Republican, 50% said they have always been a Democrat, and the remaining respondents said they have switched from one party to another at some point in their lives.



Step 1: How many people said they have always been a Democrat?

Step 2: As in venn diagram, people have always been Democrat are 300.

Step 3: **Answer:** 300

Practice this skill by completing the problems below

1. Out of 90 students, 26 are taking English Composition and 21 are taking Chemistry. If 5 students are in both classes, how many students are in either class?

2. In an office of 40 people, 13 people are in the Accounting work, 11 people are on marketing field, and 6 people in both. How many people are not involved in anything?

3. A veterinarian surveys 26 of his patrons. He discovers that 14 have dogs, 10 have cats. 5 have both dog and cat, If no one has all two kinds of pets, how many patrons have none of these pets?



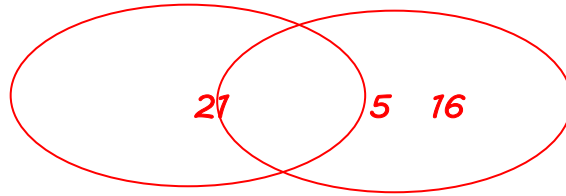
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Topic: Using Venn Diagrams - Review worksheet - 3 ANSWERS

1.

90 - Total Students

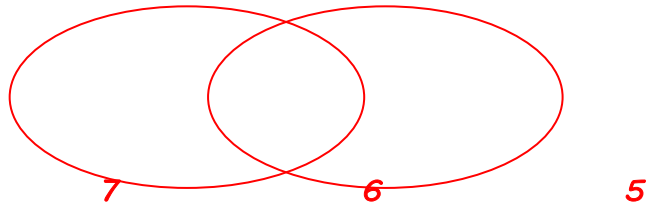


Step 1: As in Venn diagram, 48 students are in either class

Step 2: ANSWER : 48

2.

40 - Total People

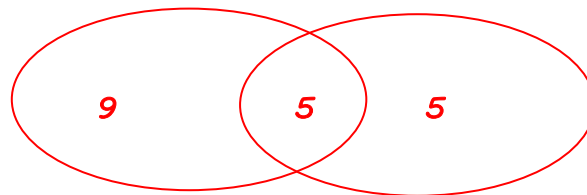


Step 1: As in Venn diagram, 22 people are involved in both

Step 2: ANSWER : 10

3.

26- Total patrons



Step 1: As in Venn diagram, 7 patrons have none of these pets

Step 2: ANSWER : 7



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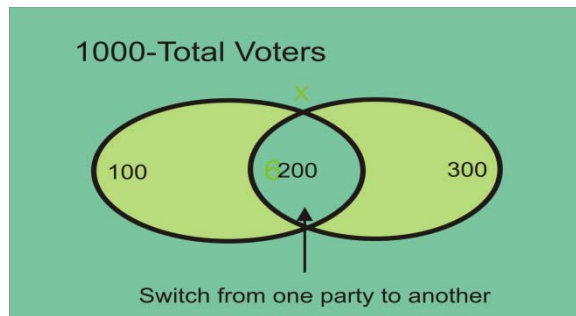
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Topic: Using Venn Diagrams -Review worksheet - 4

EXAMPLE

Problem:

In a recent poll of 1,000 registered voters, 30% said they have always been a Republican, 50% said they have always been a Democrat, and the remaining respondents said they have switched from one party to another at some point in their lives.



Step 1: How many people said they have always been a Democrat?

Step 2: As in venn diagram, people have always been Democrat are 300.

Step 3: **Answer:** 300

Practice this skill by completing the problems below

1. 150 students are preparing for an Interview in which 50 are preparing for call center, 38 for the Accounting, and 15 take both call center and Accounting. How many students are not preparing for any interview?

2. In the IPL there are 1000 players, 500 players are in the Asian team, 350 players are in international team, and 35 players participate in both team. How many players are involved in either in Asian team or international?

3. In a certain Competition 35 students scored above 55% on Economics, 20 students scored above 49% on math's, and 15 students scored above 40% on both Economics and math's. How many students scored above 50% either on Economics or on math's?



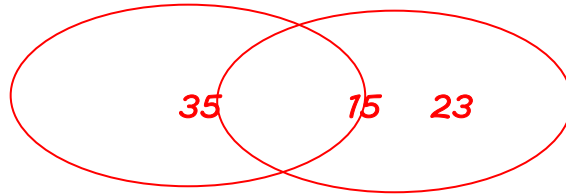
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Topic: Using Venn Diagrams - Review worksheet - 4 ANSWERS

1.

150 - Total Students

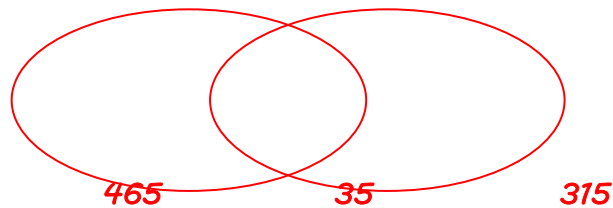


Step 1: As in Venn diagram, 77 students are preparing for any interview.

Step 2: ANSWER : 77

2.

1000 - Total IPL players

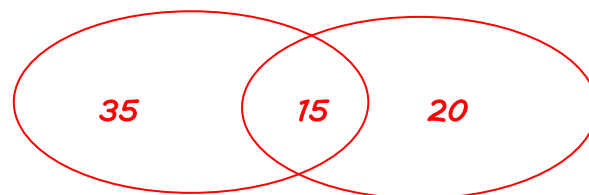


Step 1: As in Venn diagram, 815 players are involved in either in Asian team or international

Step 2: ANSWER : 815

3.

70- Total students



Step 1: As in Venn diagram, 35 students scored above 50% either on economics or on math's.

Step 2: ANSWER : 35



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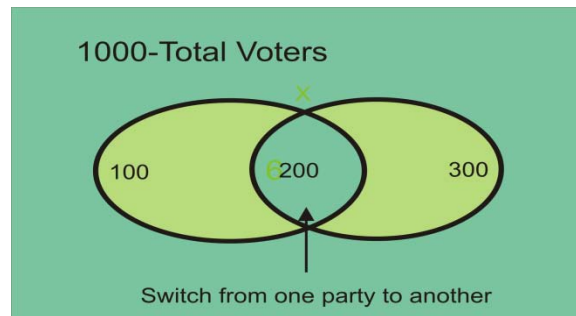
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Topic: Using Venn Diagrams -Review worksheet - 4

EXAMPLE

Problem:

In a recent poll of 1,000 registered voters, 30% said they have always been a Republican, 50% said they have always been a Democrat, and the remaining respondents said they have switched from one party to another at some point in their lives.



Step 1: How many people said they have always been a Democrat?

Step 2: As in venn diagram, people have always been Democrat are 300.

Step 3: **Answer:** 300

Practice this skill by completing the problems below

1. 200 Peoples are preparing for a job in which 45 are preparing for Bank jobs, 28 for the Clerk, and 10 take both Bank jobs and Clerk. How many Peoples are not preparing for any Jobs?
2. In the Cloth Shop there are 500 Shirts, 125 shirts are in the Cotton, 75 shirts are in Silk, and 20 shirts in both pattern. How many Shirts are involved either in cotton or Silk?
3. Surveys 3000 of students. 900 students like study, 1100 students like games and 350 students like either study or games, how many students are not involved in survey?



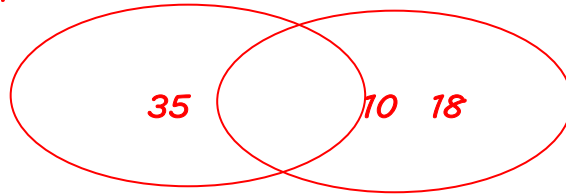
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Topic: Using Venn Diagrams - Review worksheet - 4 ANSWERS

1.

200 - Total people

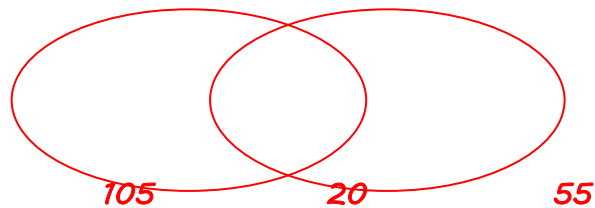


Step 1: As in Venn diagram, 153 people are not preparing for any job.

Step 2: ANSWER : 137

2.

500 - Total shirts

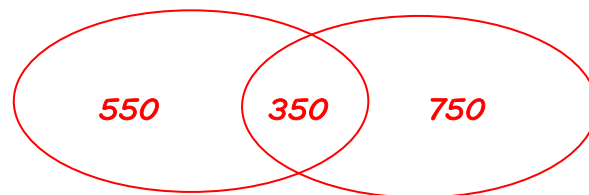


Step 1: As in Venn diagram, 180 shirts are involved in either cotton or silk.

Step 2: ANSWER : 180

3.

3000 - Total students



Step 1: As in Venn diagram, 1350 students are not involved in survey.

Step 2: ANSWER : 1350

