1. The following Venn diagram shows, out of 150 people, how many own cars, bikes, and houses. What is the number of people who own exactly two of these items?

In a three-circle Venn diagram with:

 Cars only: 25

 Bikes only: 20

 Houses only: 15

 Cars and Bikes only: 12

 Bikes and Houses only: 18

 Cars and Houses only: 10

 All three: 8

(A) 40  
(B) 32  
(C) 48  
(D) 35

2. The following Venn diagram shows, out of 180 students, how many study Physics, Chemistry, and Mathematics. What is the number of students who study Physics and Chemistry but not Mathematics?

In a three-circle Venn diagram with:

 Physics only: 30

 Chemistry only: 25

 Mathematics only: 35

 All three: 15

 Physics and Mathematics only: 20

 Chemistry and Mathematics only: 18

 Students studying none: 12

(A) 25  
(B) 18  
(C) 15  
(D) 22

3. The following Venn diagram shows, out of 250 employees, how many speak English, Hindi, and Tamil. What is the number of employees who speak only one language?

In a three-circle Venn diagram with:

 English and Hindi only: 22

 Hindi and Tamil only: 18

 English and Tamil only: 15

 All three languages: 12

 English only: 45

 Hindi only: 38

 Tamil only: 28

(A) 111  
(B) 98  
(C) 122  
(D) 105

4. The following Venn diagram shows, out of 300 people, how many like Cricket, Football, and Tennis. What is the number of people who like at least two sports?

In a three-circle Venn diagram with:

 Cricket only: 60

 Football only: 45

 Tennis only: 35

 Cricket and Football only: 25

 Football and Tennis only: 30

 Cricket and Tennis only: 20

 All three: 15

(A) 90  
(B) 75  
(C) 105  
(D) 85

5. The following Venn diagram shows, out of 220 voters, preferences for three candidates A, B, and C. What is the number of voters who prefer candidate A only?

In a three-circle Venn diagram with:

 A and B only: 18

 B and C only: 22

 A and C only: 15

 All three: 10

 B only: 35

 C only: 40

 None: 25

(A) 55  
(B) 45  
(C) 50  
(D) 42

6. The following Venn diagram shows, out of 180 patients, symptoms of Fever, Cough, and Headache. What is the number of patients with Fever and Headache but not Cough?

In a three-circle Venn diagram with:

 Fever only: 28

 Cough only: 25

 Headache only: 22

 Fever and Cough only: 15

 Cough and Headache only: 18

 All three symptoms: 12

 No symptoms: 20

(A) 40  
(B) 30  
(C) 35  
(D) 28

7. The following Venn diagram shows, out of 160 books in a library, classifications as Fiction, Mystery, and Romance. What is the number of books that are Fiction or Mystery but not Romance?

In a three-circle Venn diagram with:

 Fiction only: 32

 Mystery only: 28

 Romance only: 24

 Fiction and Mystery only: 16

 Mystery and Romance only: 12

 Fiction and Romance only: 14

 All three: 8

(A) 76  
(B) 68  
(C) 82  
(D) 72

8. The following Venn diagram shows, out of 200 tourists, visits to Museum, Park, and Beach. What is the number of tourists who visited exactly one place?

In a three-circle Venn diagram with:

 Museum and Park only: 20

 Park and Beach only: 25

 Museum and Beach only: 15

 All three places: 18

 Museum only: 42

 Park only: 35

 Beach only: 30

(A) 107  
(B) 95  
(C) 118  
(D) 102

9. The following Venn diagram shows, out of 240 customers, purchases of Tea, Coffee, and Juice. What is the number of customers who purchased Tea and Coffee but not Juice?

In a three-circle Venn diagram with:

 Tea only: 48

 Coffee only: 52

 Juice only: 35

 Tea and Juice only: 22

 Coffee and Juice only: 28

 All three: 16

 None: 15

(A) 24  
(B) 18  
(C) 30  
(D) 26

10. The following Venn diagram shows, out of 280 students, participation in Drama, Music, and Dance clubs. What is the number of students who participate in Music or Dance but not Drama?

In a three-circle Venn diagram with:

 Drama only: 55

 Music only: 45

 Dance only: 38

 Drama and Music only: 24

 Music and Dance only: 32

 Drama and Dance only: 28

 All three: 18

(A) 115  
(B) 127  
(C) 135  
(D) 122