BLOGS

Questions on Quantitative Techniques for CLAT 2025

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1. In a certain neighborhood, 65% of males aged 40 years and above are proficient in a second language, while 60% of females aged 40 years and above are proficient in a second language. If the total male population is 1.5 times the total female population, what is the ratio of females to males aged 40 years and above who are proficient in a second language?

A) 3:5

B) 5:3

C) 5:7

D) 7:5

2. In a town, 60% of males aged 30 years and above are homeowners, while 55% of females aged 30 years and above are homeowners. If the total male population is 1.3 times the total female population, what is the ratio of female homeowners to male homeowners aged 30 years and above?

A) 11:13

B) 13:11

C) 11:12

D) 12:11

3. **Players are selected for a basketball team based on their heights from the following 10 height groups:**

(150 cm – 155 cm)

(155 cm – 160 cm)

(160 cm – 165 cm)

(165 cm – 170 cm)

(170 cm – 175 cm)

(175 cm – 180 cm)

(180 cm – 185 cm)

(185 cm – 190 cm)

(190 cm – 195 cm)

(195 cm – 200 cm)

The average height of the players after selecting one player from each group is 175 cm. If one of the players (named T) leaves the team, their average height comes down to 173.5 cm. What is the height of player T?

A) 175 cm

B) 170 cm

C) 165 cm

D) 160 cm

3. In a city, 75% of males aged 35 years and above have a driving license, while 70% of females aged 35 years and above have a driving license. If the total male population is 1.4 times the total female population, what is the ratio of females to males aged 35 years and above who have a driving license?

A) 14:15

B) 15:14

C) 15:16

D) 16:15

4. Employees are assigned to training sessions based on their experience from the following 10 experience groups:

(0-1 years)

(1-2 years)

(2-3 years)

(3-4 years)

(4-5 years)

(5-6 years)

(6-7 years)

(7-8 years)

(8-9 years)

(9-10 years)

The average experience of the employees after assigning one employee from each group is 5 years. If one of the employees (named E) leaves the training, their average experience comes down to 4.7 years. What is the experience of employee E?

A) 6 years

B) 5 years

C) 4 years

D) 3 years

5. In a village, 70% of males aged 25 years and above are married, while 65% of females aged 25 years and above are married. If the total male population is twice the total female population, what is the ratio of married females to married males aged 25 years and above?

A) 4:7

B) 7:4

C) 7:9

D) 9:7

6. In a certain town, the number of males aged 18 years and above is 60% of the total male population, while the number of females aged 18 years and above is 55% of the total female population. If the total male population is 1.2 times the total female population, what is the ratio of females to males aged 18 years and above who are enrolled in higher education institutions?

A) 11:12

B) 5:6

C) 6:5

D) 12:11

7. Students are grouped into classes based on their ages from the following 10 groups:

(10-12 years)

(12-14 years)

(14-16 years)

(16-18 years)

(18-20 years)

(20-22 years)

(22-24 years)

(24-26 years)

(26-28 years)

(28-30 years)

The average age of the students after grouping one student from each group is 20 years. If one of the students (named S) is transferred to another class, their average age comes down to 19.5 years. What is the age of student S?

A) 24 years

B) 22 years

C) 20 years

D) 18 years

8. In a city, 85% of males aged 40 years and above have regular salaried and self-employed jobs, while 80% of females aged 40 years and above have such jobs. If the total male population is 1.3 times the total female population, what is the ratio of females to males aged 40 years and above who have regular salaried and self-employed jobs?

A) 5:7

B) 7:5

C) 7:9

D) 9:7

9. In a city, 70% of males aged 25 years and above have regular salaried and self-employed jobs, while 65% of females aged 25 years and above have such jobs. If the total male population is twice the total female population, what is the ratio of females to males aged 25 years and above who have regular salaried and self-employed jobs?

A) 2:3

B) 3:2

C) 3:4

D) 4:3

10. Customers are assigned to service windows based on their waiting times from the following 10 wait time groups:

(0-5 minutes)
(6-10 minutes)
(11-15 minutes)
(16-20 minutes)
(21-25 minutes)
(26-30 minutes)
(31-35 minutes)
(36-40 minutes)
(41-45 minutes)
(46-50 minutes)

The average waiting time of the customers after assigning one customer to each window is 25 minutes. If one of the customers (named C) leaves the line, their average waiting time comes down to 23 minutes. What is the waiting time of customer C?

A) 30 minutes
B) 35 minutes
C) 40 minutes
D) 45 minutes

ANSWERS

1. 3:5
2. 11:13
3. 15:14
4. 4 Years
5. 9:7
6. 6:5
7. 22 years
8. 5:7
9. 3:2

10. 35 minutes

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