

In a study of matrilineal authority among the Khasi, a researcher finds that in a community of 50 families, the mother's brother plays a crucial role in 36 families. If the researcher extends the study to another similar community of 75 families, how many would he statistically expect to find where the mother's brother has a similar role, assuming the same proportion?

- (1) 54
- (2) 36
- (3) 72
- (4) 45

Answer Key: 1

Solution:

Step 1: Determine the proportion of families where the mother's brother plays a crucial role in the first community.

$$\text{Proportion} = 36/50 = 0.72$$

Step 2: Apply this proportion to the second community.

$$\text{Expected number of families} = 0.72 \times 75 = 54$$

Hence, Option (1) is the correct answer.

In a cultural group practicing patrilineal succession, the current lineage priest is 58 years old and has been in office since he was 23. If the average tenure for this position is 35 years, calculate how many years past the average tenure the current priest has served.

- (1) 0
- (2) 2
- (3) 5
- (4) 10

Answer Key: 2

Solution:

Step 1: Calculate the total tenure of the current priest.

$$\text{Total tenure} = \text{Current age} - \text{Age at start of tenure} = 58 - 23 = 35 \text{ years}$$

Step 2: Compare with average tenure.

$$\text{Years past average tenure} = 35 - 35 = 0$$

Hence, Option (2) is the correct answer.

A sociological survey explores inheritance patterns in a diverse region where 40% practice patrilineal, 50% practice matrilineal, and 10% bilateral inheritance patterns. If the population of the region is 200,000, estimate the number of people practicing bilateral inheritance.

- (1) 20,000
- (2) 10,000
- (3) 50,000
- (4) 80,000

Answer Key: 1

Solution:

Step 1: Calculate the number of people practicing each inheritance pattern.

$$\text{Number practicing bilateral inheritance} = 10\% \text{ of } 200,000 = 0.10 \times 200,000 = 20,000$$

Hence, Option (1) is the correct answer.