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DI Info Chart Questions for IBPS RRB Assistant Pre, SBI Clerk Pre, IBPS Clerk Pre, RBI Assistant Pre and LIC Assistant Pre Exams.

DI Info Chart No 52

Directions: Study the following information carefully and answer the questions given beside.

There are four colleges A, B, C and D and each college has different number of boys and girls. The number of boys in college A is 112 and the average of the number of boys in college A and D together is 104. The number of total students in college D is 228. The ratio of the number of girls in college B to D is 5:6. The number of boys in college C is 14 more than the number of girls in college B. The number of girls in college C is 90. The total number of students in college B is 218. The ratio of the number of girls in college A to number of boys in college B is 10 : 9.

1. Find the number of boys in college C.

- A. 124 B. 132 C. 138 D. 108 E. 112

2. What is the total number of students in college A?

- A. 256 B. 244 C. 232 D. 212 E. 208

3. What is the ratio of the number of girls to boys in college D?

- A. 8 : 9 B. 7 : 10 C. 5 : 8 D. 11 : 8 E. None of these

4. Find the number of boys in college B.

- A. 102 B. 96 C. 120 D. 112 E. 108

5. What is the average of the number of girls in college B and D together?

- A. 132 B. 124 C. 121 D. 112 E. 128

Correct Answers:

1	2	3	4	5
A	C	D	E	C

Common explanation :

The number of boys in college is $A = 112$

The total number of boys in college A and D $= 104 \times 2 = 208$

The number of boys in college D $= 208 - 112 = 96$

The number of girls in college D $= 228 - 96 = 132$

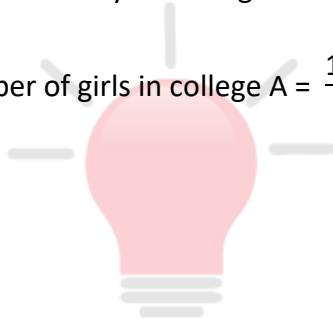
The number of girls in college B $= \frac{132}{6} \times 5 = 110$

The number of boys in college C $= 110 + 14 = 124$

The number of girls in college C $= 90$

The number of boys in college B $= 218 - 110 = 108$

The number of girls in college A $= \frac{108}{9} \times 10 = 120$



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Explanations :

1. Following the common explanation, we get

Number of boys in college C = 124

Hence, option A is correct.

2. Following the common explanation, we get

Number of students in college A = $120 + 112 = 232$

Hence, option C is correct.

3. Following the common explanation, we get

Required ratio = $132 : 96 = 11 : 8$

Hence, option D is correct.

4. Following the common explanation, we get

Number of boys in college B = 108

Hence, option E is correct.

5. Following the common explanation, we get

$$\text{Reqd. average} = \frac{110 + 132}{2} = \frac{242}{2} = 121$$

Hence, option C is correct.



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