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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 is 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

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Common explanation :

The number of boys in college is A = 112

The total number of boys in college A and D = 104 × 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

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

Hence, option C is correct.

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