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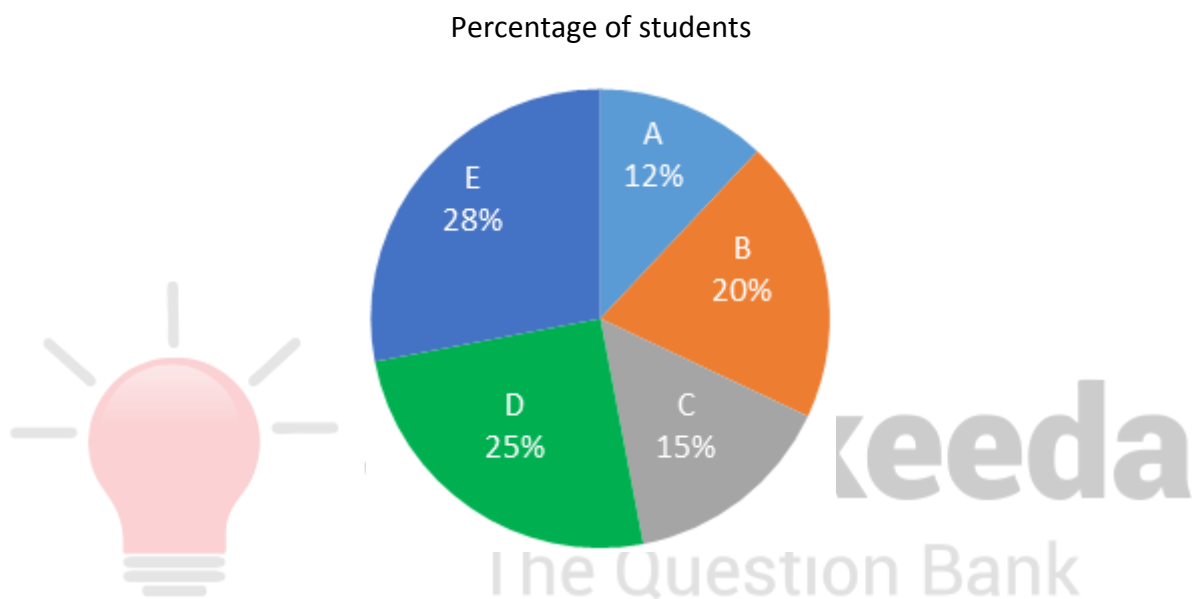
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# DI Mixed Chart Questions for IBPS PO Pre, SBI PO Pre, IBPS Clerk Mains, SBI Clerk Mains, LIC AAO and RRB Scale I Pre Exams.

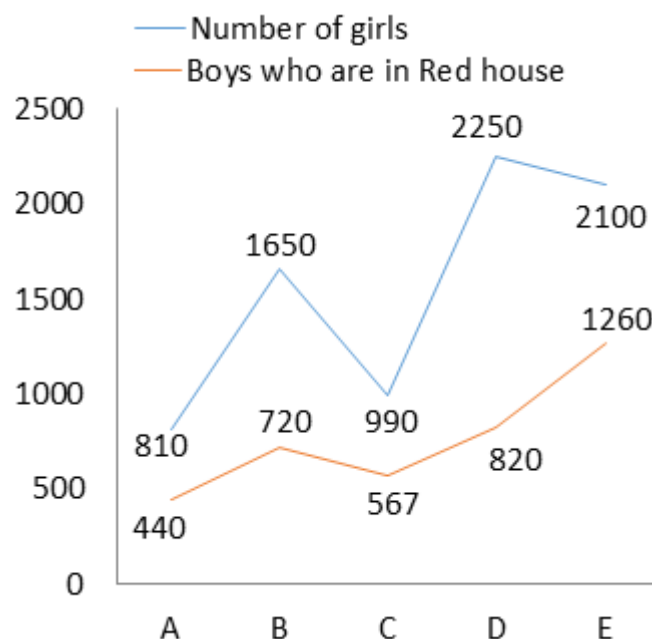
## DI Mixed Chart No. 73

Directions : Study the following pie and line chart carefully and answer the questions given beside.

The pie chart shows the number of students study in five different schools as percentage of total number of students study in all five schools A, B, C, D and E. All the students of the schools are divided in two houses Red and Green. Total student in all five schools is 15000.



The line graph shows the number of girls and number of boys who are in red house in each of the five schools.



1. If ratio of number of girls in green house to red house in school B is 16:17 then find difference between number of boys and girls in green house.

- A. 140                      B. 180                      C. 120                      D. 170                      E. 210

2. What is the ratio of girls in red house to green house in school C if total number of students in green house of school C is 1083?

- A. 18 : 11                      B. 11 : 15                      C. 20 : 13                      D. 24 : 19                      E. 10 : 3

3. Number of boys in green house of school A is what percent of number of girls in green house of school A if total students in red house of school A is 750?

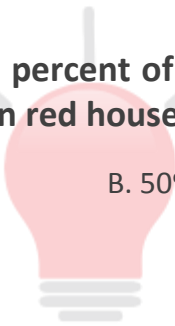
- A. 110%                      B. 120%                      C. 90%                      D. 70%                      E. 150%

4. What is the total number of students in red house of school E if number of girls in green house of school E is 1155?

- A. 2245                      B. 2205                      C. 2285                      D. 2175                      E. 2255

5. What percent of girls are in green house out of total girls of school D if number of girls in red house of school D is 305 more than the boys in same house?

- A. 40%                      B. 50%                      C. 20%                      D. 60%                      E. 80%



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**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
D	C	A	B	B

## Explanations :

1. Total students = 20% of 15000 = 3000

Total girls = 1650

Total boys = 3000 – 1650 = 1350

Boys in red house = 720

Boys in green house = 1350 – 720 = 630

Girls in green house =  $\frac{1650}{33} \times 16 = 800$

Difference = 800 – 630 = 170

Hence, option D is correct.

2. For school C:

Total students = 15% of 15000 = 2250

Total girls = 990

Total boys = 2250 – 900 = 1260

Boys in red house = 567

Boys in green house = 1260 – 567 = 693

Girls in green house = 1083 – 690 = 390

Girls in red house = 990 – 390 = 600

Ratio = 600 : 390 = 20 : 13

Hence, option C is correct.

3. For school A:

Total students = 12% of 15000 = 1800

Total girls = 810

Total boys = 1800 – 810 = 990

Boys in red house = 440

Boys in green house = 990 – 440 = 550

Girls in red house = 750 – 440 = 310

Girls in green house = 810 – 310 = 500

Percentage =  $\frac{550}{500} \times 100 = 110\%$

Hence, option A is correct.

4. For school E:

$$\text{Total students} = 28\% \text{ of } 15000 = 4200$$

$$\text{Total girls} = 2100$$

$$\text{Total boys} = 4200 - 2100 = 2100$$

$$\text{Boys in red house} = 1260$$

$$\text{Boys in green house} = 2100 - 1260 = 840$$

$$\text{Girls in red house} = 2100 - 1155 = 945$$

$$\text{Total students in red house} = 1260 + 945 = 2205$$

Hence, option B is correct.

5. For school D:

$$\text{Total students} = 25\% \text{ of } 15000 = 3750$$

$$\text{Total girls} = 2250$$

$$\text{Total boys} = 3750 - 2250 = 1500$$

$$\text{Boys in red house} = 820$$

$$\text{Boys in green house} = 1500 - 820 = 680$$

$$\text{Girls in red house} = 820 + 305 = 1125$$

$$\text{Girls in green house} = 2250 - 1125$$

$$\text{Percentage} = \frac{1125}{2250} \times 100 = 50\%$$

Hence, option B is correct.





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