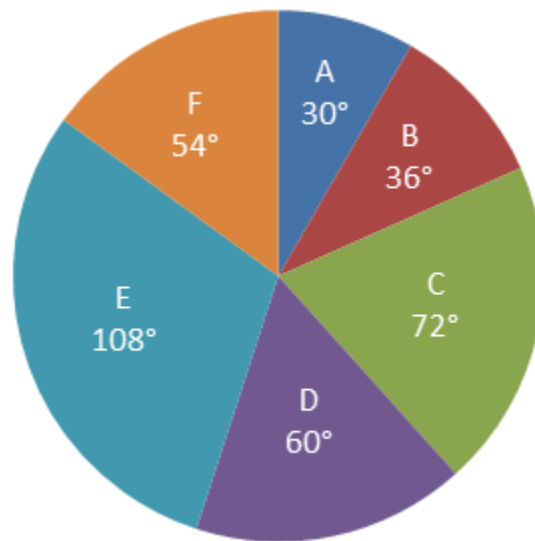# Date Interpretation Mixed Chart Questions Quiz for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Mixed Chart Quiz 39

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

The pie chart below shows the number of students in six different schools of a city. All values in the pie-chart are in degrees.

Total Number of students = 5400

The table below shows the percentage distribution of students by standard (6 to 10) and division for school D. Each standard of school D has the same number of students.

STD	Division		
	I	II	III
6th	30%	35%	35%
7th	50%	25%	25%
8th	20%	55%	25%
9th	45%	35%	20%
10th	35%	30%	35%

1. Division II in school B's 7th standard has the same number of students as division I in school D's 8th standard. What is the ratio of number of students in division II in school B's 7th standard to the number of students in division III in school D's 10th standard?

A. 1 : 1   B. 5 : 7   C. 5 : 6   D. 4 : 7   E. 2 : 3

2. What is the total number of students in Division I of all standards of school D?

A. 252   B. 320   C. 322   D. 250   E. 324

3. The number of students in division III of standard 9 of school D forms what percent of the total number of students in school A?

A. 5%   B. 6%   C. 8%   D. 10%   E. 12%

4. If 20% of the students in school A move to school D and are equally distributed in each standard, what is the number of students in division II of std. 8 of school E?

A. 36   B. 99   C. 45   D. 72   E. Can't be determined

5. What is the difference between the total number of students in school C and students in division III across all standards of school D?

A. 828   B. 830   C. 838   D. 756   E. None of these

Correct Answers:

1	2	3	4	5
D	E	C	E	A

Explanations:

1.   Number of students in division II in school B's 7th standard : number of students in division III in school D's 10th standard

= Number of students in division I in school D's 8th standard : number of students in division III in school D's 10th standard

Each standard in school D has the same number of students, and there are five such standards.

∴ Number of students in any standard of school D

$$= \frac{1}{5} \times \frac{60}{360} \times 5400 = 180$$

∴ Required ratio = (20% of 180) : (35% of 180) = 20 : 35 = 4 : 7

Hence, option D is correct.

2. Consider the solution to the first question.

Since each standard of school D has 180 students,

Total number of students in division I of all standards of school D = (30 + 50 + 20 + 45 + 35)% of 180 = 180% of 180 = 1.8 × 180 = 324

Hence, option E is correct.

3. Consider the solution to the first question.

Number of students in division III of standard 9 of school D = 20% of 180 = 36

Total number of students in school A

$$= \frac{30}{360} \times 5400 = 450$$

$\therefore$ Reqd. % $= \frac{36}{450} \times 100 = 8\%$

Hence, option C is correct.

4. Consider the original data given.

The standard and division wise breakup of school E is not known.

Hence, the number of students in division II of std 8. of school E cannot be found.

Hence, option E is correct.

5. Consider the solution to the first question.

Total number of students in school C
$$= \frac{72}{360} \times 5400 = 1080$$

Total number of students in division III across all standards of school D = (35 + 25 + 25 + 20 + 35)% of 180 = 140% of 180 = 1.4 × 180 = 252

$\therefore$ Required difference = 1080 − 252 = 828

Hence, option A is correct.