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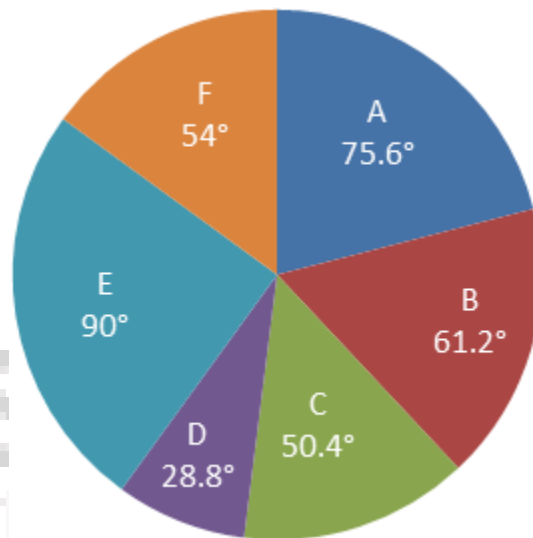
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Date Interpretation Mixed Chart Questions Quiz for IBPS PO Pre, SBI PO Pre, IBPS Clerk Mains, SBI Clerk Mains, IBPS SO Pre and RRB Scale I Pre Exams.

Data Interpretation Mixed Chart Quiz 30

Direction: Study the following pie chart and table chart carefully and answer the questions based on it.

The pie chart below shows the number of books published by various divisions of M/s. Granthbhavan Pvt. Ltd. during the last three months.



The table below shows the ratio of books sold and unsold within each division.

Divisions	Sold : Unsold
A	7 : 5
B	9 : 4
C	11 : 3
D	5 : 3
E	11 : 9
F	5 : 1

Across divisions, M/s. Granthbhavan Pvt. Ltd. managed to publish 130000 books in all in the last three months.

1. What is the difference between the number of books sold by division C and the total number of books remaining unsold in divisions F and B together?

A. 4520

B. 4250

C. 5240

D. 4270

E. 4150

2. What is the ratio between the total number of books sold by division A to the total unsold books in divisions A and D?

- A. 47 : 49 B. 48 : 49 C. 49 : 48 D. 49 : 47 E. 51 : 49

3. By what approximate percent is the number of books sold by division B more than the number of books sold by division D?

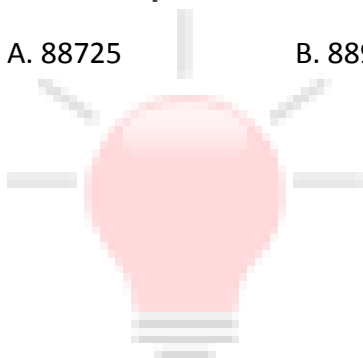
- A. 256% B. 122% C. 151% D. 235% E. 135%

4. What is the average of the total books sold by divisions E and F and the books lying unsold in divisions A and C?

- A. 13250 B. 12750 C. 12350 D. 12470 E. 12430

5. Granthbhan's total count of published books fell by 9% in the next set of three months. If one-fourth of these books were published by division E, how many books did the other divisions publish?

- A. 88725 B. 88975 C. 88275 D. 87525 E. 89715



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Correct Answers:

1	2	3	4	5
B	D	E	C	A

Explanations:

1.

$$\text{Number of books sold by division C} = 130000 \times \frac{50.4}{360} \times \frac{11}{14} = 14300$$

$$\text{Number of books unsold by division F} = 130000 \times \frac{54}{360} \times \frac{1}{6} = 3250$$

$$\text{Number of books unsold by division B} = 130000 \times \frac{61.2}{360} \times \frac{4}{13} = 6800$$

$$\therefore \text{Required difference} = 14300 - (3250 + 6800) = 4250$$

Hence, option B is correct.

2.

$$\text{Number of books sold by division A} = 130000 \times \frac{75.6}{360} \times \frac{7}{12} = 15925$$

$$\text{Number of books unsold by division A} = 130000 \times \frac{75.6}{360} \times \frac{5}{12} = 11375$$

$$\text{Number of books unsold by division D} = 130000 \times \frac{28.8}{360} \times \frac{3}{8} = 3900$$

$$\therefore \text{Required ratio} = 15925 : (11375 + 3900) = 15925 : 15275 = 637 : 611 = 49 : 47$$

Hence, option D is correct. .

3.

$$\text{Number of books sold by division B} = 130000 \times \frac{61.2}{360} \times \frac{9}{13} = 15300$$

$$\text{Number of books sold by division D} = 130000 \times \frac{28.8}{360} \times \frac{5}{8} = 6500$$

$$\therefore \text{Reqd. \%} = \frac{15300 - 6500}{6500} \times 100 = 135\% \text{ (approx.)}$$

Hence, option E is correct.

4.

$$\text{Number of books sold by division E} = 130000 \times \frac{90}{360} \times \frac{11}{20} = 17875$$

$$\text{Number of books sold by division F} = 130000 \times \frac{54}{360} \times \frac{5}{6} = 16250$$

Number of books lying unsold in division A = 11375 Number of books sold by division C

$$= 130000 \times \frac{50.4}{360} \times \frac{3}{14} = 3900$$

$$\therefore \text{Reqd. average} = \frac{17875 + 16250 + 11375 + 3900}{4} = \frac{49400}{4} = 12350$$

Hence, option C is correct.

5. Number of books published by Granthbhan in the next set of three months = 91% of 130000 = 118300

Since division E published one-fourth of these (i.e. 25%), the remaining divisions published 75% of the total books published.

$$\therefore \text{Number of books published by the remaining divisions} = 0.75 \times 118300 = 88725$$

Hence, option A is correct.



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