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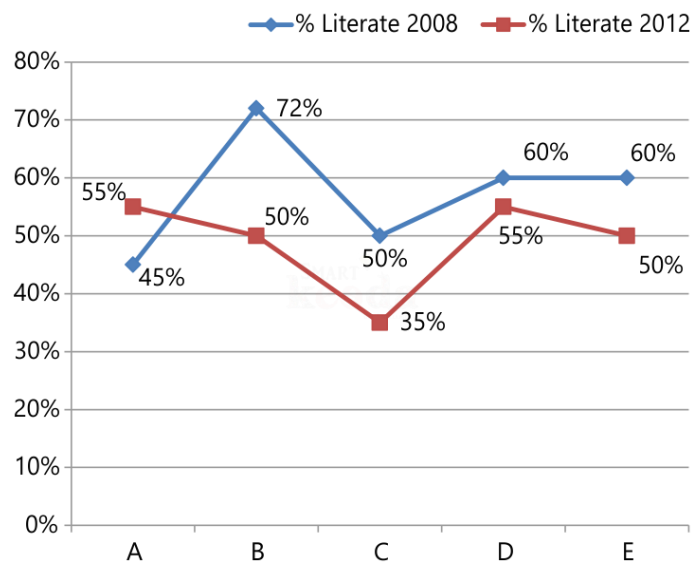
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# Date Interpretation Mixed Chart Questions Quiz for SBI PO Mains and IBPS PO Mains Exams.

## Data Interpretation Mixed Chart Quiz 10

Direction: Study the following bar and line chart carefully and answer the questions based on it.

The following bar graph shows the population (in lakh) of five cities in the years 2008 and 2012 and the line graph shows the percentage of literate among them.



1. What is the percentage rise in the population of City A from the year 2008 to 2012?

- A. 8%                      B. 12.5%                      C. 15%                      D. 17.5%                      E. 20%

2. What is the total literate population of all cities together in the year 2008?

- A. 1.394 crore                      B. 1.388 crore                      C. 1.512 crore                      D. 1.548 crore                      E. None of these

3. In which of the following cities is the percentage rise in the population from the year 2008 to 2012 the maximum?

- A. A                      B. B                      C. C                      D. D                      E. E

4. What is the percentage rise in the literate population of City B from the year 2008 to 2012?

- A. 86%                      B. 90%                      C. 94%                      D. 98%                      E. 102%

5. What is the total literate population of all cities together in the year 2012?

- A. 1.598 crore                      B. 1.624 crore                      C. 1.728 crore                      D. 2.102 crore                      E. 2.428 crore

Correct Answers:

1	2	3	4	5
B	B	E	D	A

Explanations:

1.

$$\text{Reqd. \%} = \frac{72 - 64}{64} \times 100 = \frac{800}{64} = 12.5\%$$

Hence, option B is correct.

2. Total literate population

$$= 45\% \text{ of } 64 + 50\% \text{ of } 40 + 35\% \text{ of } 60 + 55\% \text{ of } 80 + 60\% \text{ of } 50$$

$$= (50 - 5)\% \text{ of } 64 + 20 + (50 - 15)\% \text{ of } 60 + (50 + 5)\% \text{ of } 80 + (50 + 10)\% \text{ of } 50$$

$$= (32 - 3.2) + 20 + (30 - 9) + (40 + 4) + (25 + 5)$$

$$= 28.8 + 20 + 21 + 44 + 30 = 143.8 \text{ lakh} = 1.438 \text{ crore}$$

Hence, option B is correct.

3. We can clearly see from given the chart that city E's percentage rise maximum

$$= \frac{70 - 50}{50} \times 100 = \frac{20}{50} \times 100 = 40\%$$

Hence, option E is correct.

4. Literate population in City B in the year 2008

$$= 40 \times \frac{50}{100} = 20 \text{ lakh}$$

Literate population in City B in the year 2012

$$= 55 \times \frac{72}{100} = 39.6 \text{ lakh}$$

$$\therefore \text{Reqd. \%} = \frac{(39.6 - 20)}{20} \times 100 = 19.6 \times 5 = 98\%$$

Hence, option D is correct.

5. Total population in 2012 = 72 + 55 + 78 + 95 + 70 = 370 lakh

Total literate population in 2012

$$= 55\% \text{ of } 72 + 72\% \text{ of } 55 + 50\% \text{ of } 78 + 60\% \text{ of } 95 + 50\% \text{ of } 70$$

$$= (50 + 5)\% \text{ of } 72 + (70 + 2)\% \text{ of } 55 + 39 + (50 + 10)\% \text{ of } 95 + 35$$

$$= (36 + 3.6) + (38.5 + 1.1) + 39 + (47.5 + 9.5) + 35$$

$$= 39.6 + 39.6 + 39 + 57 + 35$$

$$= 210.2 \text{ lakh}$$

$$\text{Total illiterate population in 2012} = 370 - 210.2 = 159.8 \text{ lakh} = 1.598 \text{ crore}$$

Hence, option A is correct.



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