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## Date Interpretation Line Chart Questions for Bank Clerk Mains and PO Pre Exams.

DI Line Chart Quiz 8
Direction : Study the following line graph carefully to answer the questions that follow.


1. The number of elephants in Reserve A increased by what percent from 2001 to 2005 ?
A. 56.5
B. 62.5
C. 68.5
D. 54.5
E. 58.5
2. What is the average number elephants in Reserve B during 2001, 2003, 2005 and 2006?
A. 46
B. 56
C. 51
D. 53
E. 49
3. Out of total number of elephants in Reserve $A$ and $B$ together in 2002, only $40 \%$ were African elephants, and out of the total number of elephants in Reserve A and B together in 2004, only $65 \%$ were African elephants. What is the difference between the total number of African elephants in Reserve A and B together in 2004 and the total number of African elephants in Reserve $A$ and $B$ together in 2002?
A. 37
B. 47
C. 43
D. 41
E. 55
4. What is the ratio of the total number of elephants in Reserve $A$ in 2003 and 2006 together and the total number elephants in Reserve B in 2005 and 2006 together?
A. $17: 18$
B. $23: 24$
C. $11: 14$
D. $9: 14$
E. 11 : 12
5. The number of elephants in Reserve A decreased by $25 \%$ from 2006 to 2007 and the number of elephants in Reserve B increased by 15\% from 2006 to 2007. What was the total number of elephants in Reserve $A$ and $B$ together in 2007?
A. 172
B. 164
C. 158
D. 174
E. 166

## Correct Answers:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: |
| B | C | A | E | B |

## Explanations:

1. 

Reqd. $\%=\frac{52-32}{32} \times 100$
$=\frac{20}{32} \times 100=62.5 \%$ increase
Hence, option B is correct.
2.

Reqd. average $=\frac{18+42+64+80}{4}$
$=\frac{204}{4}=51$
Hence, option C is correct.
3. African elephants in Reserve $A$ and $B$ together in 2002,
$=(42+28) \times \frac{40}{100}=\frac{70 \times 40}{100}=28$
African elephants in Reserve A and B together in 2004
$=(44+56) \times \frac{65}{100}=\frac{100 \times 65}{100}=65$
$\therefore$ Reqd. difference $=65-28=37$.
Hence, option A is correct.
4.

Reqd. ratio $=\frac{A_{(2003+2006)}}{\mathrm{B}_{(2005+2006)}}$
$=\frac{36+96}{64+80}=\frac{132}{144}=\frac{11}{12}=11: 12$

Hence, option E is correct.
5.

Elephants in Reserve A in $2007=96 \times \frac{75}{100}=72$

Elephants in Reserve B in $2008=80 \times \frac{115}{100}=92$

Total no. of elephants in Reserve A and B in $2007=72+92=164$
Hence, option B is correct.


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