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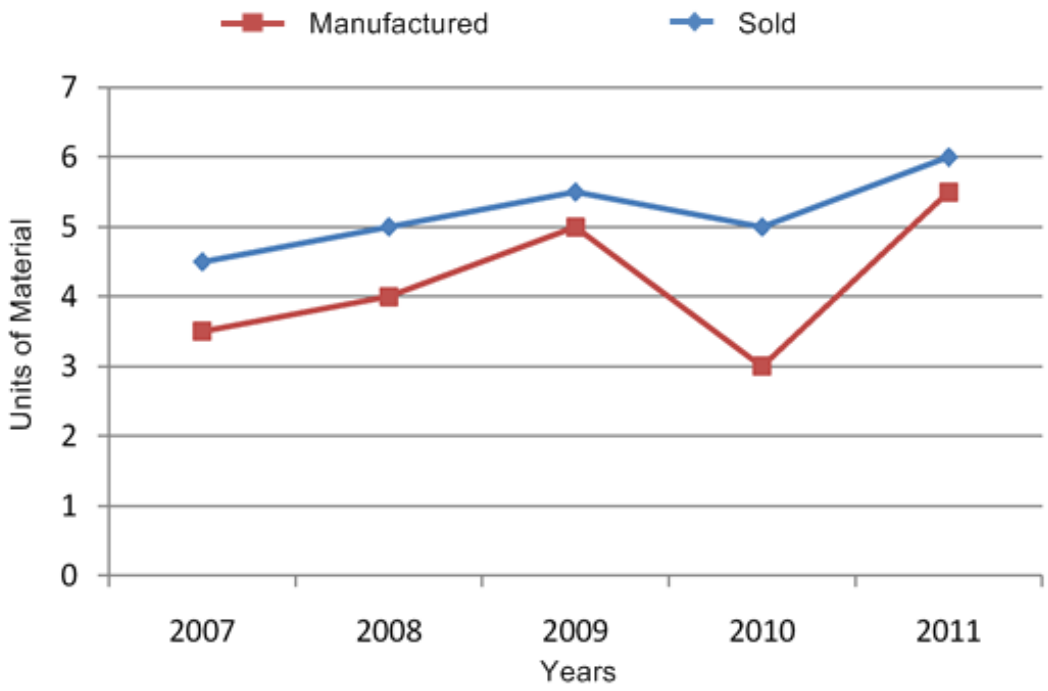
Date Interpretation Line Chart Questions for Bank PO Pre and Clerk Mains Exams.

DI Line Chart Quiz 15

Direction : Study the following line graph carefully to answer the questions that follow.

Units of Raw Material Manufactured and Sold by a Company over the Years (units in crore)



1. Find the difference between the average number of units sold and manufactured over the years?

A. 1000000 B. 100000000 C. 12000000 D. 10000000 E. None of these

2. What is the respective ratio of units sold and manufactured in 2007 & 2009 together to 2008 and 2011 together?

A. 2.3 : 3.1 B. 1 : 2 C. 3.7 : 5.1 D. 2.1 : 4.1 E. None of these

3. The total number of units sold and manufactured in year 2008 & 2010 together is what per cent to the remaining years' manufactured and sold units?

A. 46.77% B. 59.54% C. 56.67% D. 64.44% E. None of these

4. What is the per cent increase in the number of units sold in the year 2011 from the previous year?

A. 10% B. 20% C. 5% D. 15% E. None of these

5. By how much per cent is the sold unit of 2011 more than the manufactured units of 2008?

A. 50% B. 25% C. 75% D. 100% E. None of these

Correct Answers:

1	2	3	4	5
D	E	C	B	A

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Explanations:

1.

Avg. of units sold over the years $= \frac{(4.5 + 5 + 5.5 + 5 + 6)}{5} \times 10000000$

$= \frac{26}{5} \times 10000000 = 52000000$

Avg. of units manufactured over the years $= \frac{(3.5+ 4 + 5 + 3 + 5.5)}{5} \times 10000000$

$= \frac{21}{5} \times 10000000 = 42000000$

Reqd. difference = 52000000 – 42000000 = 10000000.
Hence, option D is correct.

2. Units sold and manufactured in year 2007 = 3.5 + 4.5 = 8 crore
And in year 2009 = 5 + 5.5 = 10.5 crore
Sum of the units of both years 2007 and 2009 = 8 + 10.5 = 18.5 crore
Similarly,
Units sold and manufactured in year 2008 = 4 + 5 = 9 crore
And in year 2011 = 5.5 + 6 = 11.5 crore
Sum of the units of both years 2008 and 2011 = 9 + 11.5 = 20.5 crore
Reqd. ratio = 18.5 : 20.5 = 3.7 : 4.1
Hence, option E is correct.

3. Total number of units sold and manufactured in year 2008 & 2010 together = (5 + 4) + (5 + 3) = 17
Remaining years are: 2007, 2009 & 2011
Total of remaining years' units = (3.5 + 4.5) + (5 + 5.5) + (5.5 + 6) = 8 + 10.5 + 11.5 = 30
Reqd. % = $\frac{17}{30} \times 100 = 56.67\%$
Hence, option C is correct.

4. Total number of units sold in previous year (2010) = 5 crore
Total number of units sold in 2011 = 6 crore
Reqd. % = $\frac{6-5}{5} \times 100$
$= \frac{1}{5} \times 100 = 20\%$
Hence, option B is correct.

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5. Total number of units manufactured in 2008 = 4 crore
Total number of units sold in 2011 = 6 crore
Required % = $\frac{6-4}{4} = \frac{2}{4} \times 100 = 50\%$
Hence, option A is correct.

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