# Date Interpretation Bar Graph Questions for Bank PO Exams.

**Directions: Study the graph carefully and answer the following questions.**

The production of tea (in tonnes) by the different companies for three years 2013, 2014 and 2015 respectively.



**1. The total production of five companies in 2015 is what per cent of the total production by Company B and D together in 2013?**

A. 100%          B. 150%          C. 175%          D. 200%          E. 225%

**2. What is the ratio of the production by Company B in the given three years to the production by Company C in the given three years?**

A. 6 : 7          B. 8 : 7          C. 7 : 8          D. 7 : 6          E. None of these

**3. For which company was the rise or fall in the production of tea from 2013 to 2014 the maximum?**

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

**4. The production of tea of Company E in the year 2013 is approximately what per cent of the total production of Company C in all the given years?**

A. 32.5%          B. 45%          C. 38%          D. 45.5%          E. None of these

**5. The ratio of the average production of all the companies in 2013 to that of all the companies 2014 is**

A. 38 : 37          B. 37 : 38          C. 37 : 39          D. 39 : 37          E. None of these

**Correct Answers:**

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| D | B | C | C | A |

## Explanations:

**1.** Total production in 2015 = 35 + 40 + 45 + 35 + 35 = 190
Total production of B and D in 2013 = 45 + 50 = 95

Reqd. % = $\dfrac{190}{95}$ × 100 = 200%
Hence, option D is correct.

**2.**
Reqd. ratio = $\dfrac{120}{105} = \dfrac{8}{7}$ = 8 : 7

Hence, option B is correct.

**3.**
For Company A, the fall% = $\dfrac{5}{30}$ × 100 = 16.67%

Similarly, for B, the fall% = $\dfrac{10}{45}$ × 100 = 22.3%

for C, the rise% = $\dfrac{10}{25}$ × 100 = 40%

for D, the fall% = $\dfrac{10}{50}$ × 100 = 20%

for E, the rise = $\dfrac{10}{40}$ × 100 = 25%

Clearly, the maximum rise in production of Company C.

**Smart way:**

We can solve this question just be observing the given bases. The maximum difference in either rise or fall across all the companies is 10 while the base with the least value is in the case of Company C.
Therefore, it's clear that the fraction with the least value will be the largest one.
Option C hence is the correct answer.

**4.**     Production of tea of Company E in 2013 = 40

Total production of tea of Company C in all the given years = 25 + 35 + 45 = 105

$\therefore$  Reqd. % = $\dfrac{40}{105}$ × 100 = 38.09% ≈ 38%
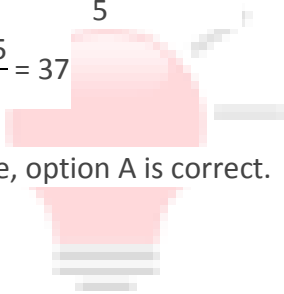
Hence, option C is correct.


**5.**     Average production in 2013

= $\dfrac{30 + 45 + 25 + 50 + 40}{5}$

= $\dfrac{190}{5}$ = 38

Average production in 2014

= $\dfrac{25 + 35 + 35 + 40 + 50}{5}$

= $\dfrac{185}{5}$ = 37

Hence, option A is correct.

# SmartKeeda
The Question Bank

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