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# DI Mixed Chart Questions for SBI Clerk Mains, IBPS Clerk Mains, RBI Assistant Mains, LIC AAO, SBI PO Pre and IBPS PO Pre Exams.

## DI Mixed Chart No 65

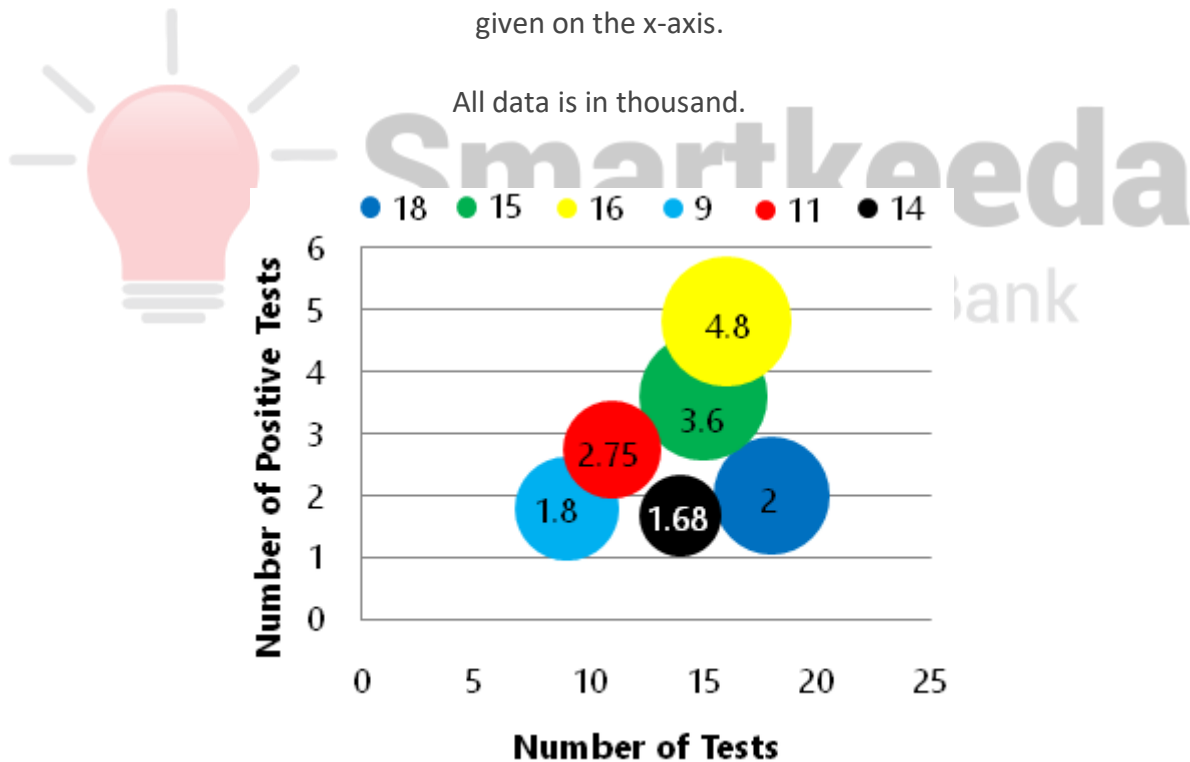
Directions : Study the following bubble chart carefully and answer the questions given beside.

To test people for COVID-19, a city was divided into six zones. Name of zones were on the name of colours – Skyblue Zone, Yellow Zone, Green Zone, Red Zone, Blue Zone, Black Zone as shown below in bubble chart.

The bubble chart below shows numbers of tests that were conducted for COVID-19 and the number of positive outcomes in various zones.

The number of positive outcomes is shown on each bubble for the corresponding zone.

The numbers of tests are represented by small coloured circles (Blue, Green, Yellow, Skyblue, Red and Black) given on the x-axis.



1. Find what percent of people were found positive out of those who were tested in Yellow zone?

- A. 10%                      B. 16%                      C. 3%                      D. 30%                      E. 8%

2. Find the average number of people that were tested in Green Zone, Skyblue Zone, Red Zone and Black Zone.

- A. 11550      B. 12250      C. 13125      D. 12500      E. 11950

3. The number of people who were found positive in Yellow Zone was what percent more than the number of people who were found positive in Skyblue Zone?

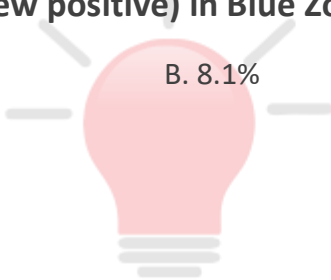
- A.  $164\frac{2}{3}\%$       B.  $166\frac{1}{3}\%$       C.  $166\frac{2}{3}\%$       D.  $136\frac{2}{3}\%$       E.  $126\frac{2}{3}\%$

4. Find total number of people who were found positive in all the Zones combined.

- A. 1663 thousand      B. 16.3 thousand      C. 13.63 thousand      D. 16.6 thousand      E. 16.63 thousand

5. A number of new people, which is twice the already tested number of people, are tested in Blue Zone, and the numbers of positive outcomes are more than 50% of previous outcomes. Find approximately what percent people are found positive (old + new positive) in Blue Zone out of total tests.

- A. 7.8%      B. 8.1%      C. 9.2%      D. 10%      E. 6.4%



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**Correct Answers:**

1	2	3	4	5
D	B	C	E	C

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## Explanations:

1. 16,000 people were tested for COVID-19 in yellow zone.

Now, 4.8 thousand = 4800 were found positive.

$$\text{Percent} = \frac{4800}{16000} \times 100 = 30\%$$

Hence, option D is correct.

2. Number of people tested in

Green Zone = 15,000

Skyblue Zone = 9,000

Red Zone = 11,000

Black Zone = 14,000

$$\text{Average} = \frac{(15 + 9 + 11 + 14) \times 1000}{4} = 12250$$

Hence, option B is correct.

3. The number of people who were found positive in Yellow Zone = 4.8 thousand

The number of people who were found positive in Skyblue Zone = 1.8 thousand

$$\text{Percent} = \frac{(4.8 - 1.8)}{1.8} \times 100 = 166\frac{2}{3}\%$$

Hence, option C is correct.

4. Total number of people = 2 + 3.6 + 4.8 + 1.8 + 2.75 + 1.68 = 16.63 thousand

Hence, option E is correct.

5. Number in previous tests = 18 thousand

Number of new tests =  $18 \times 2 = 36$  thousand

Total tests after new tests = 54 thousand

Positive outcome in previous tests = 2 thousand

Positive outcome in new tests =  $2 + 50\% \text{ of } 2 = 3$  thousand

Total positive after new tests = 5 thousand

$$\text{Percent} = \frac{5}{54} \times 100 = 9.2\%$$

Hence, option C is correct.



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