Bipin Nambiar
(SBI PO 2018)
Shiraz Khan
(SBI Clerk 2018)
Kuldeep Yadav
(SBI PO 2018)
Rajat Saxena
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Anupam Tyagi
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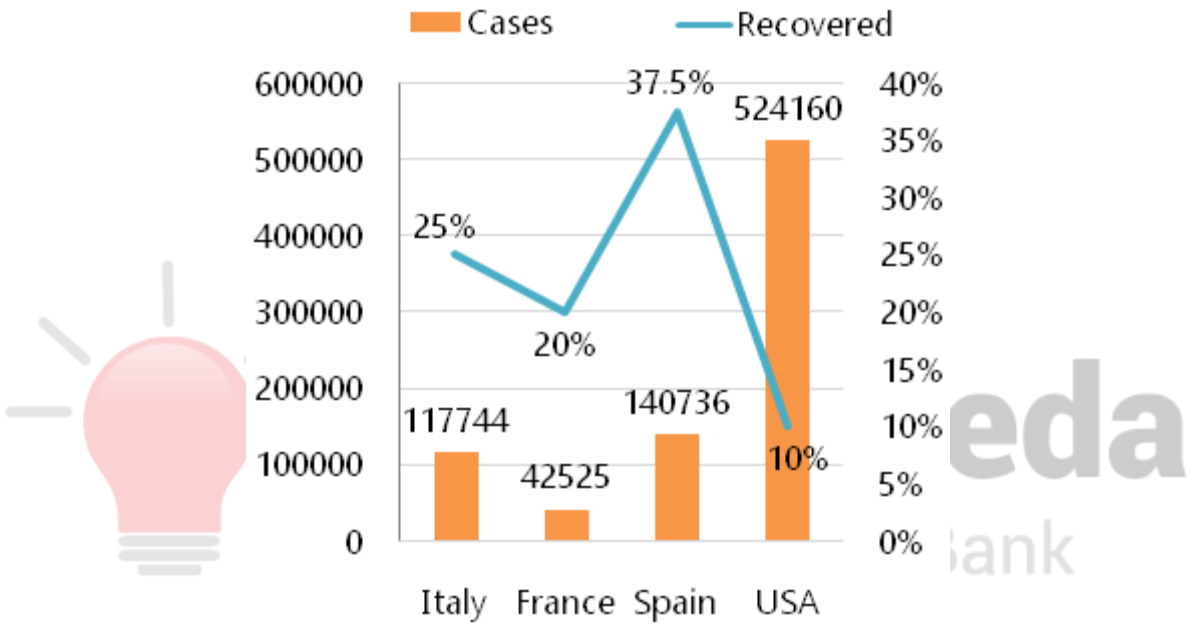
DI Mixed Chart Questions for SBI Clerk Mains, IBPS Clerk Mains, RBI Assistant Mains, LIC AAO, SBI PO Pre and IBPS PO Pre Exams.

DI Mixed Chart No 66

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

The chart given below shows the total number of COVID-19 cases registered and also the percentage of people who recovered in four countries Italy, France, Spain and USA.



The table given below shows the number of cases per million population in the four countries.

Country	Cases/million
Italy	2453
France	1215
Spain	1466
USA	234

$$\text{Cases per million} = \frac{\text{Total cases}}{\text{Population}} \times 1{,}000{,}000$$

Total cases = Active + Recovered

1. What is the difference between the number of active cases and recovered cases in France?

A. 25815 B. 24155 C. 25515 D. 23850 E. 26255

2. What is the ratio of the population of Italy to the population of Spain?

A. 1 : 2 B. 3 : 7 C. 1 : 3 D. 2 : 5 E. 2 : 3

3. What is the difference between the number of recovered cases in Spain and USA?

A. 420 B. 450 C. 280 D. 345 E. 360

4. If 37.5% of the USA population is uneducated, what is the number (in crores) of educated people in USA?

A. 156 B. 140 C. 160 D. 124 E. 142

5. What is the difference between the Active cases of Italy and Spain?

A. 348 B. 424 C. 328 D. 358 E. 384

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Correct Answers:

1	2	3	4	5
C	A	E	B	A

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Common Explanation:

In Italy,

Total cases = 117744

Cases per million = 2453

$$\frac{\text{Total cases}}{\text{Population}} \times 1{,}000{,}000 = \text{Cases per million}$$

$$\text{Population} = \frac{\text{Total cases}}{\text{Cases per million}} \times 1{,}000{,}000$$

$$\text{Population} = \frac{117744}{2453} \times 1{,}000{,}000$$

= 4,80,000,000 = 4.8 cr

Recovered = 25% (117744) = 29436

Active cases = 117744 – 29436 = 88308

Similarly calculating for each country, we get:

Country	Total Cases	Recovered	Active	Population
Italy	117744	29436	88308	4,80,00,000
France	42525	8505	34020	3,50,00,000
Spain	140736	52776	87960	9,60,00,000
USA	524160	52416	471744	2,24,00,00,000

Answers :

1. From the common solution:

Active cases in France = 34020

Recovered Cases in France = 8505

Required difference = 34020 – 8505 = 25515

Hence, option C is correct.

2. From common explanation, we have

Required ratio = 4.8Cr : 9.6Cr = 1 : 2

Hence, option A is correct.

3. From common explanation, we have

Required difference = 52776 – 52416 = 360

Hence, option E is correct.

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4. From common explanation, we have

37.5% population is uneducated so 62.5% population is educated.

Educated people in USA = $\frac{62.5}{100} \times 224$ Cr = 140 Cr

Hence, option B is correct.

5. From common explanation, we have

Required difference = 88308 – 87960 = 348

Hence, option A is correct.

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