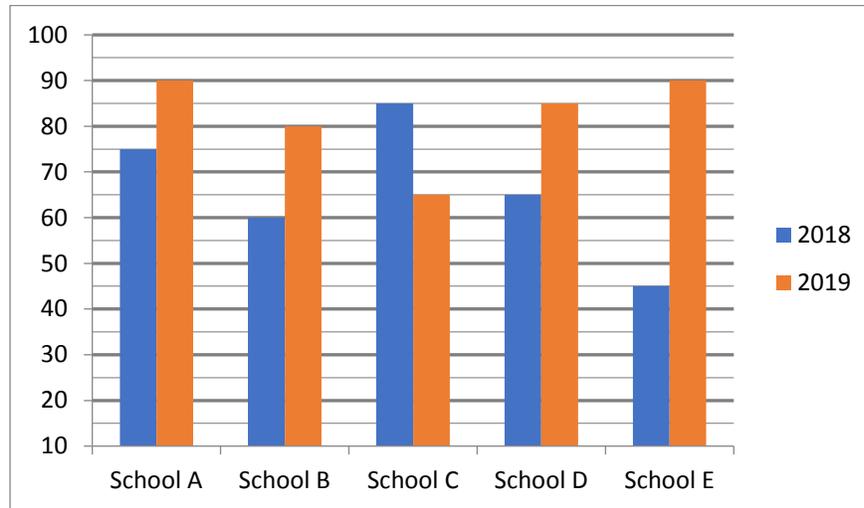


Quiz Date: 20th February 2020

Directions (1-5): Study the bar chart given below and answer the following questions. Bar chart shows the number of student study in 4 different School in 2018 and 2019.



Q1. Find average number of student in the School A, B and E together in 2018?

- (a) 60
- (b) 75
- (c) 70
- (d) 64
- (e) 58

Q2. Find ratio of number of students of School B & C together in 2018 to that School A & D together in 2019?

- (a) 25 : 29
- (b) 25 : 27
- (c) 29 : 35
- (d) 24 : 37
- (e) 2 : 3

Q3. Number of student in School A and E together in 2019 is what percent more/less than that of students in School B in 2018?

- (a) 125%
- (b) 200%
- (c) 175%
- (d) 75%
- (e) 100%

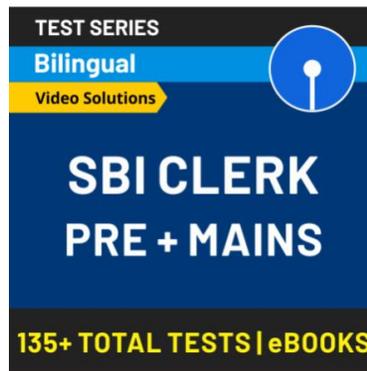
Q4. Find the difference between the average number of students in School A and C together in 2019 and that of Students of School B and D together in 2018?

- (a) 25

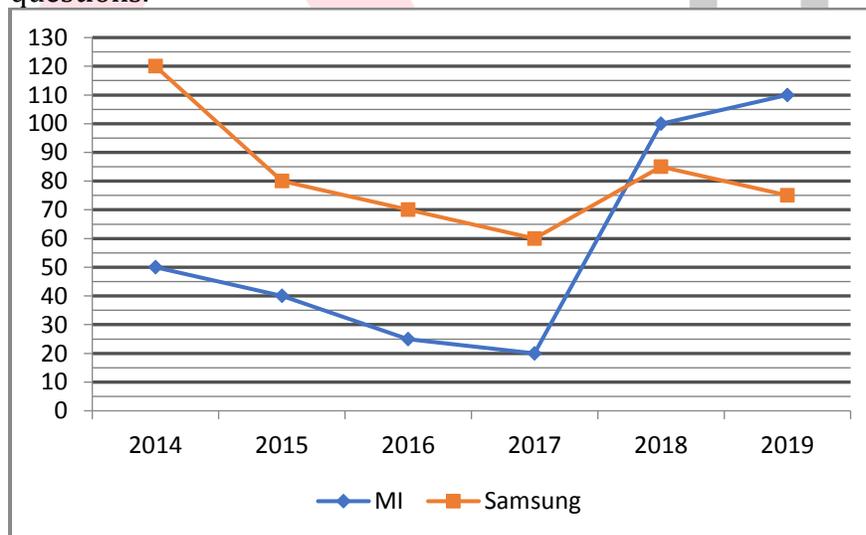
- (b) 10
- (c) 18
- (d) 20
- (e) 15

Q5. Number of student study in School A & D together in 2018 is what percent of number of student study in School B in 2019?

- (a) 175%
- (b) 125%
- (c) 220%
- (d) 210%
- (e) 275%



Directions (6 – 10):- Given line graph shows the data of mobiles (MI and Samsung) sold (in thousand) in different years in a mobile-shop. Study the data carefully and answer the questions.



Q6. Find out the total number of mobiles sold in all years together? (in thousand)

- (a) 720
- (b) 835
- (c) 815
- (d) 750

(e) 650

Q7. Mobiles (MI and Samsung both) sold in year 2016 is what percent more/less than that of in year 2018? (Approximately)

- (a) 45%
- (b) 58%
- (c) 40%
- (d) 49%
- (e) 35%

Q8. Find out the difference between average of all mobile sold of MI and that of Samsung in all given years?(Approximately)

- (a) 26666
- (b) 32333
- (c) 28177
- (d) 25252
- (e) 24167

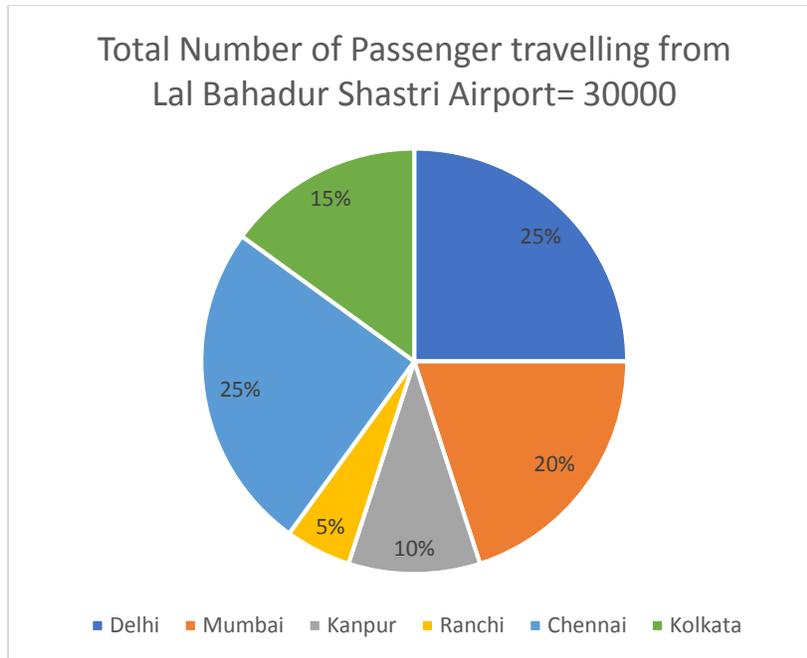
Q9. What is the ratio of sold mobile of MI in 2017 & 2018 together to the that of Samsung mobile in 2014 & 2015 together?

- (a) 5 : 3
- (b) 3 : 5
- (c) 5 : 7
- (d) 4 : 7
- (e) 9 : 11

Q10. Samsung mobile sold in 2015 & 2017 together is what percent of MI mobile sold in 2018 & 2019 together?

- (a) $66\frac{2}{3}\%$
- (b) 60%
- (c) 54%
- (d) 75%
- (e) $33\frac{1}{3}\%$

Directions (11-15): - Pie chart given below shows distribution of passenger travelling from Varanasi Airport (Lal Bahadur Shastri) to different Airports. Read the data carefully and answer the questions.



Q11. Number of passenger who are travelling from Varanasi to Delhi is how much percent more/less than that of who are travelling to Mumbai?

- (a) 25%
- (b) 28%
- (c) 30%
- (d) 45%
- (e) 40%

Q12. Find out the average number of travelers who are travelling from Varanasi to Mumbai, Kanpur and Ranchi?

- (a) 3250
- (b) 2756
- (c) 3500
- (d) 3450
- (e) 3050

Q13. Number of passengers who travelling from Varanasi to Delhi and Mumbai together is what percent of number of passengers who travelling from Varanasi to Kolkata?

- (a) 200%
- (b) 225%
- (c) 175%
- (d) 250%
- (e) 300%

Q14. If the number of Indian and foreigner travelling from Varanasi to Mumbai and Kolkata is in the ratio of 4:1 and 3:2 respectively, then find out the sum of number of foreigner passenger travelling to Mumbai and Indian Passenger travelling to Kolkata?

- (a) 2700
- (b) 2500
- (c) 3700
- (d) 3900
- (e) 2800

Q15. Find out the ratio of number of passengers who travelling to Ranchi and Kanpur together to that of Chennai?

- (a) 1:3
- (b) 2:3
- (c) 3:2
- (d) 3:5
- (e) 3:1



Solutions

S1. Ans. (a)

Sol.

$$\text{Required Average} = \frac{75+60+45}{3} = 60$$

S2. Ans. (c)

Sol.

$$\begin{aligned} \text{Required ratio} &= 60 + 85 : 90 + 85 \\ &= 29 : 35 \end{aligned}$$

S3. Ans. (b)

Sol.

Number of students in school A and E together in 2019 = 90+90=180

And number of students in school B in 2018 = 60

$$\begin{aligned} \text{Required ratio} &= \frac{180-60}{60} \times 100 \\ &= 200\% \end{aligned}$$

S4. Ans. (e)

Sol.

$$\text{Required difference} = \frac{90+65}{2} - \frac{60+65}{2} \\ = 15$$

S5. Ans. (a)

Sol.

$$\text{Required percentage} = \frac{75+65}{80} \times 100 \\ = 175\%$$

S6. Ans. (b)

Sol.

$$\text{Required number in thousand} = (120+80+70+60+85+75) + (50+40+25+20+100+110) \\ = 490 + 345 \\ = 835 \text{ thousand}$$

S7. Ans. (d)

Sol.

$$\text{Mobile sold in 2016} = 70 + 25 = 95 \\ \text{Mobile sold in 2018} = 100 + 85 = 185 \\ \text{required percentage} = \frac{185-95}{185} \times 100 \\ = 48.65\% \approx 49\%$$

S8. Ans. (e)

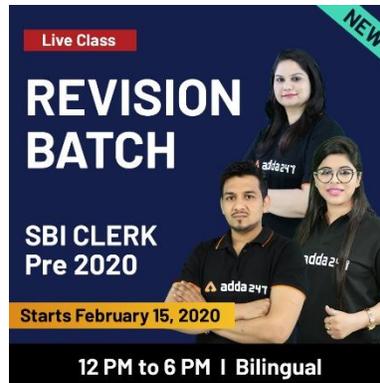
Sol.

$$\text{Average number of MI mobile sold} = \frac{345000}{6} \\ \text{Average number of Samsung mobile sold} = \frac{490000}{6} \\ \text{Required difference} = \frac{490000-345000}{6} = 24166.7 \approx 24167$$

S9. Ans. (b)

Sol.

$$\text{Required ratio} = \frac{20+100}{120+80} \\ = 3:5$$



S10. Ans. (a)

Sol.

Samsung mobile sold in 2015 & 2017 together = $80+60 = 140$

MI mobile sold in 2018 & 2019 together = $100 + 110 = 210$

$$\begin{aligned} \text{Required percentage} &= \frac{140}{210} \times 100 \\ &= 66\frac{2}{3}\% \end{aligned}$$

S11. Ans. (a)

Sol.

Number of passengers who are travelling to Delhi = 25%

Number of passengers who are travelling to Mumbai = 20%

$$\text{Required percentage} = \frac{25-20}{20} \times 100 = 25\%$$

S12. Ans. (c)

Sol.

Total number of passengers travelling to Mumbai, Kanpur and Ranchi = $20\%+10\%+5\%$
 $=35\%$

$$\begin{aligned} \text{Required percentage} &= \frac{35}{100} \times 30000 \times \frac{1}{3} \\ &= 3500 \end{aligned}$$

S13. Ans. (e)

Sol.

$$\begin{aligned} \text{Required percentage} &= \frac{25+20}{15} \times 100 \\ &=300\% \end{aligned}$$

S14. Ans. (d)

Sol.

Number of passenger travels to Mumbai = $20\% = 6000$

Number of passenger travels to Kolkata = $15\% = 4500$

$$\text{Required sum} = \frac{1}{5} \times 6000 + \frac{3}{5} \times 4500$$

$$= 1200 + 2700$$
$$= 3900$$

S15. Ans. (d)

Sol.

Required ratio =

$5\% + 10\% : 25\%$

$= 3 : 5$

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