

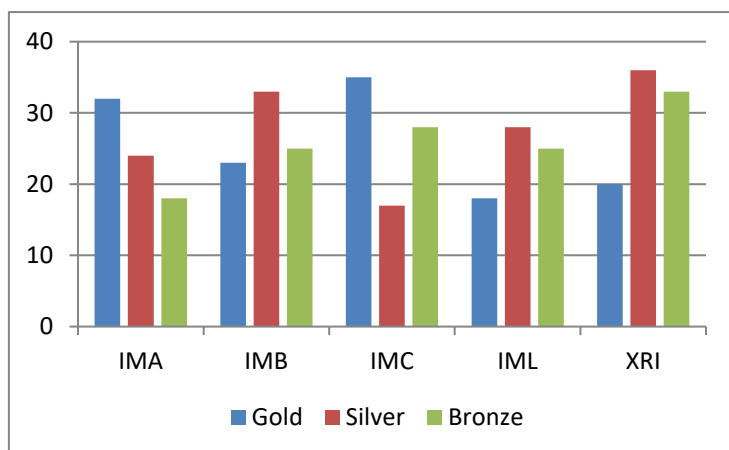
Expected Bar Graph DI for Upcoming Bank Prelims Exam

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BAR GRAPH

Directions (1 – 5): Answer the questions based on the information given below.

The graph below shows the number of different medals won by 5 different colleges in an inter college sports meet.



1. What is the total number of gold medals won by these 5 colleges together?

- a) 124
- b) 132
- c) 114
- d) 128
- e) 108

2. What is the total number of medals won by the college IMC?

- a) 75

b) 80

c) 85

d) 78

e) 83

3. The number of silver medals won by IML, is what percentage higher than the number of bronze medals won by IMA?

a) 44.44%

b) 25.55%

c) 55.55%

d) 28.45%

e) 11.11%

4. The number of silver medals won by IMB and XRI together, is what percentage of the total silver medals won by all these 5 colleges?

a) 25%

b) 50%

c) 62%

d) 37%

e) 75%

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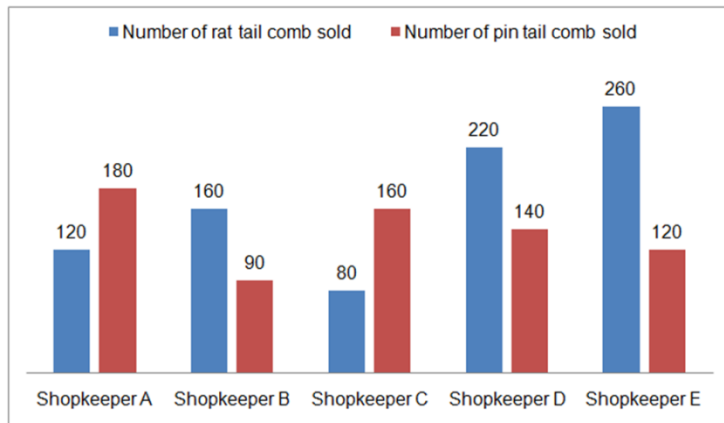
5. Which college won the least number of medals amongst the given five colleges?

- a) IMA
- b) IMB
- c) IMC
- d) IML
- e) XRI

Directions (6 – 10): Answer the questions based on the information given below.

The bar graph represents the number of rat tail comb and pin tail comb sold by five different shopkeepers.

Number of combs sold by a shopkeeper = Number of (rat tail comb + pin tail comb) sold by a shopkeeper.



6. Find the difference between the number of combs sold by shopkeeper A and that by shopkeeper B.

- a) 80
- b) 40
- c) 50
- d) 70
- e) 60

7. Find the ratio of the number of comb sold by shopkeeper D to that by shopkeeper E.

- a) 14:17
- b) 21:23
- c) 8:11
- d) 18:19
- e) 5:9

8. Number of rat tail comb sold by shopkeeper C is what percent of the number of pin tail comb sold by the same shopkeeper?

- a) 50%
- b) 40%
- c) 60%
- d) 30%
- e) 45%

9. Find the average of the number of pin tail comb sold by each shopkeeper.

- a) 133
- b) 156
- c) 142
- d) 138
- e) None of these

10. If the price of each rat tail comb and pin tail comb is Rs. 8 and Rs. 13 respectively then find the revenue generated by shopkeeper B.

- a) Rs. 1820
- b) Rs. 2450
- c) Rs. 2260

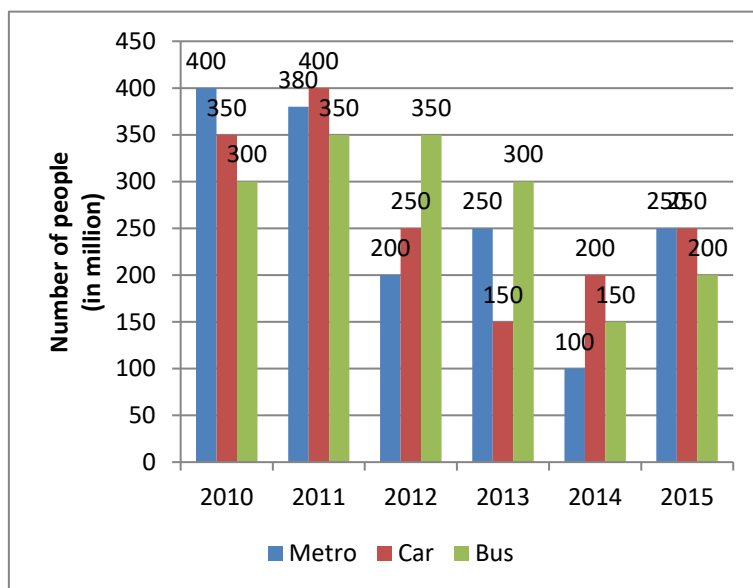
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d) Rs. 1980

e) Rs. 2340

Directions (11 – 15): Study the following graph carefully and answer the question given below:

The graph shows the people in millions using different types of travel to office over the year.



11. In the year 2012, if all the buses reduced their rates by 40% and 40% of people who preferred to travel by metro, now started preferring bus, then how many millions of the people preferred to travel by bus now?

- a) 400
- b) 410
- c) 420
- d) 430
- e) 440

12. Find the ratio of the number of people preferring to travel by car to the number of people preferring to travel by metro in the year 2014?

a) 3 : 2

b) 2 : 1

c) 4 : 9

d) 7 : 9

e) 5 : 7

13. In 2013, the people preferring to travel by car represented what percent of the people preferring to travel by cars, metro and bus together in that year?

- a) 16.25%
- b) 21.42%
- c) 14.25%
- d) 15.35%
- e) 25.75%

14. The number of people preferring to travel by metro in 2015 was how many millions less than the number of people preferring to travel by metro in 2010?

- a) 50
- b) 100
- c) 120
- d) 150
- e) 136

15. During 2010 to 2015, the total number of people who prefer travelling by metro, were how many millions?

- a) 1280
- b) 1580
- c) 1108

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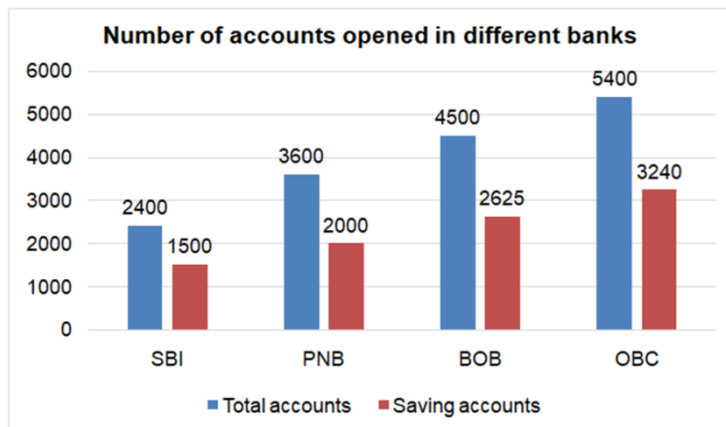
d) 1008

e) None of these

Directions (16 – 20): Answer the questions based on the information given below.

The given bar graph shows the number of accounts opened in different banks in Bijnor district in 2016.

Note: Total accounts = Savings accounts + Current accounts



16. Which of the following given bank has highest ratio of Savings account to Current accounts?

a) SBI

b) PNB

c) BOB

d) OBC

e) Both SBI and OBC

17. Average of number of savings accounts opened in SBI and PNB taken together is how much more/less than number of current accounts opened in BOB?

a) 100

b) 125

c) 150

d) 175

e) None of these

18. Find the ratio of total number of current accounts opened in SBI and PNB taken together to the total account opened in BOB.

a) 3:4

b) 3:5

c) 5:7

d) 5:9

e) 7:12

19. If Rs. 40 and Rs. 60, respectively, are submitted in each saving and current accounts opened in BOB, then find the total revenue (in Rs.) generated by BOB.

a) Rs. 122500

b) Rs. 175000

c) Rs. 217500

d) Rs. 245000

e) None of these

20. Number of savings accounts opened in OBC is what percentage more or less than the number of current accounts opened in BOB?

a) 86.4%

b) 72.8%

c) 56.5%

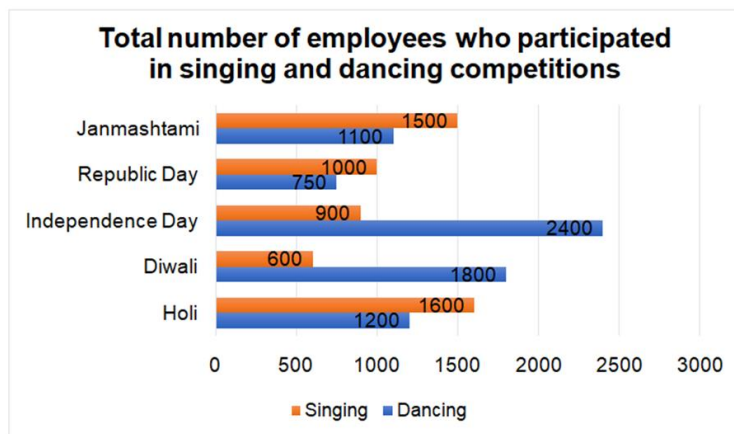
d) 45.4%

e) 36.2%

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Directions (21 – 25): Answer the questions based on the information given below.

The bar graph given below shows the total number of employees who participated in dancing and singing competitions held in an office on five different occasions (Holi, Diwali, Independence Day, Republic Day and Janmashtami)



21. Number of employees participating in dancing on Diwali is how much percent more than the number of employees participating in singing on Holi?

- a) 12.5%
- b) 12%
- c) 15%
- d) 25%
- e) 32%

22. What is the difference between the average number of employees participating in dancing on Diwali, Independence Day and Republic day and the average number of employees participating in singing on Holi, Independence Day, Republic Day and Janmashtami?

- a) 500
- b) 400
- c) 450

d) 550

e) 600

23. Out of total employees participating in dancing on Republic day, 50% are male and out of them, the ratio of married male to unmarried male employees is 2:1, respectively. Find the number of unmarried male employees participating in dancing on Republic day.

- a) 150
- b) 250
- c) 125
- d) 225
- e) 280

24. What is the ratio of the total number of employees participating in dancing to the total number of employees participating in singing?

- a) 19:17
- b) 117:119
- c) 5:6
- d) 145:112
- e) 112:145

25. On DurgaPooja, the number of employees participating in dancing is 63% more than the number of employees participating in dancing on Independence Day and number of employees participating in singing is 36% less than number of employees participating in singing on Janmashtami. Calculate the average number of participants per event on DurgaPooja.

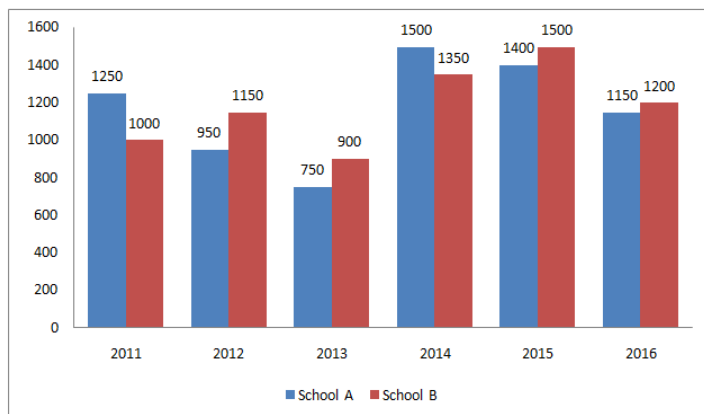
- a) 2564
- b) 4872
- c) 960
- d) 3912

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e) 2436

Directions (26 – 30): Study the following information carefully and answer the given questions.

The following bar graph shows the total number of students appearing for final examination from 2 different schools in different years.



26. Total number of students appeared for final examination from School A in the year 2011 and 2015 together is what percentage of total number of students appeared for final examination from School B in the year 2012 and 2014 together?

- a) 75 %
- b) 92 %
- c) 106 %
- d) 124 %
- e) None of these

27. Find the difference between the total number of students appeared for final examination from School A to that of School B in all the given years?

- a) 100
- b) 150
- c) 50

d) 200

e) None of these

28. If the percentage of total number of students passed in School A and B in 2016 is 82 % and 91 % respectively, then ratio between the total number of students appeared for final examination from both the schools in 2016 to that of total number of students passed from both the schools in 2016?

- a) 157 : 189
- b) 28 : 45
- c) 11 : 5
- d) 470 : 407
- e) None of these

29. If the ratio of total number of male to that of female students appeared for final examination from School A in 2011 and 2013 is 13 : 12 and 7 : 8 respectively, then find the average number of female students appeared for final examination from School A in 2011 and 2013?

- a) 650
- b) 500
- c) 525
- d) 675
- e) None of these

30. Find the average number of students appeared from School A and B together in the year 2012, 2013 and 2014?

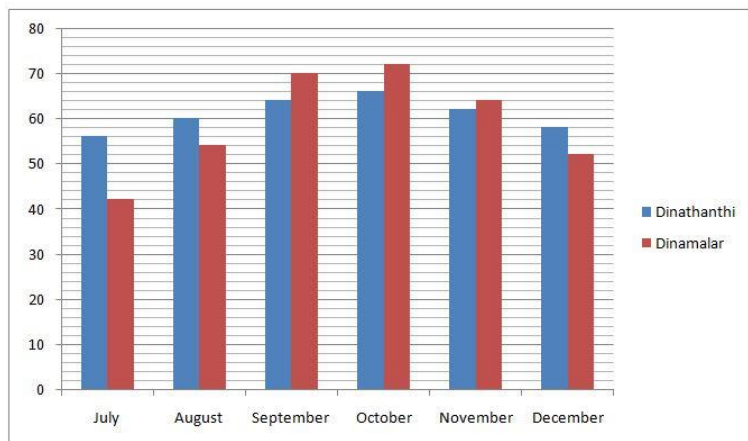
- a) 2200
- b) 2100
- c) 2050
- d) 2250

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e) None of these

Directions (31 – 35): Study the following information carefully and answer the given questions:

The following bar graph shows the total number of Dinathanthi and Dinamalar readers (In thousands) in 6 different months of a certain state in the year 2018.



31. If the total number of Dinathanthi readers in the month of January 2019 is average of Dinathanthi readers in all the given months together in the year 2018 and the total number of Dinamalar readers in the month of January 2019 is 6000 less than the total number of Dinathanthi readers in January 2019, then find the difference between the total number of Dinamalar readers in October 2018 to that of total number of Dinamalar readers in January 2019?

- a) 21000
- b) 17000
- c) 15000
- d) 23000
- e) None of these

32. Find the average number of Dinamalar readers in all the given months together in the year 2018?

- a) 61000

b) 55000

c) 57000

d) 59000

e) None of these

33. Find the ratio between the total number of Dinathanthi readers in the month of July, September and November together to that of total number of Dinamalar readers in the month of August, October and December together?

a) 91 : 89

b) 25 : 17

c) 49 : 32

d) 115 : 92

e) None of these

34. Total number of Dinathanthi and Dinamalar readers in the month of July is approximately what percentage of total number of Dinathanthi and Dinamalar readers in the month of September?

a) 62 %

b) 50 %

c) 73 %

d) 85 %

e) 38 %

35. Find the difference between the average number of Dinathanthi readers to that of Dinamalar readers in all the given months together?

a) 4000

b) 2000

c) 3000

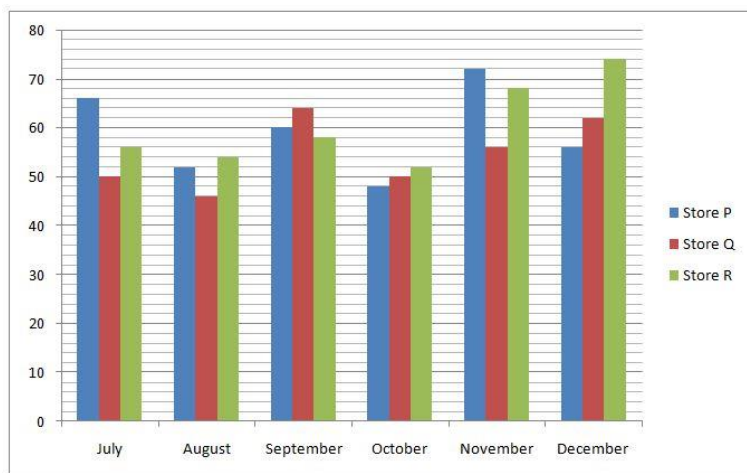
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d) 5000

e) None of these

Directions (36 – 40): Study the following information carefully and answer the given questions:

The following bar graph shows the total number of pizzas (In hundreds) sold by 3 different stores in 6 different months in the year 2018.



36. Find the ratio between the total number of pizzas sold by all the given stores in the month of July to that of November?

a) 27 : 34

b) 43 : 49

c) 32 : 37

d) 61 : 75

e) None of these

37. Find the total number of pizzas sold in the month of January 2019 and August 2018 together, if the total pizzas sold by store P, Q and R in January 2019 is 20 %, 25 % and 10 % more than the total number of pizzas sold by store P, Q and R in December 2018?

a) 35620

b) 33750

c) 38560

d) 41240

e) None of these

38. Find the average number of pizzas sold by store P in all the given months together?

a) 5900

b) 5650

c) 6100

d) 6250

e) None of these

39. Find the difference between the total number of pizzas sold by store Q to that of store R in all the given months together?

a) 3600

b) 4200

c) 4000

d) 3400

e) None of these

40. Total number of pizzas sold by all the given stores in the month of September is approximately what percentage more/less than the total number of pizzas sold by all the given stores in the month of October?

a) 33 % less

b) 33 % more

c) 21 % more

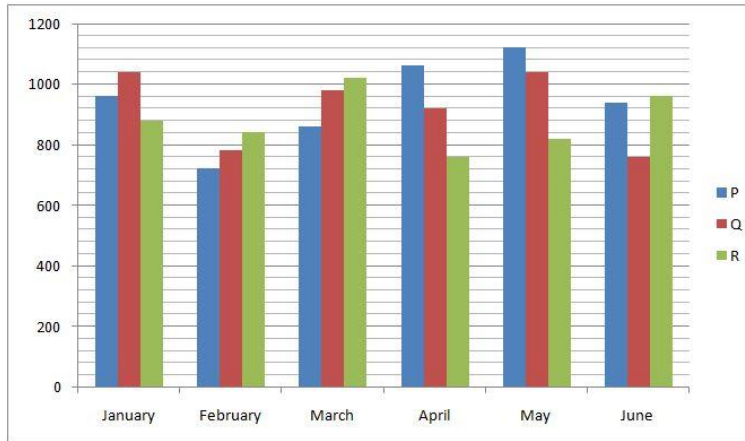
d) 21 % less

e) 12 % more

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Directions (41 – 45): Study the following information carefully and answer the given questions.

The following bar graph shows the total distance (In Km) travelled by 3 different persons in 5 different months.



41. Find the ratio between the total distance travelled by P in the month of January, March and May together to that of total distance travelled by R in the month of February, April and June together?

- a) 143: 144
- b) 147: 128
- c) 141: 128
- d) 128: 141
- e) None of these

42. Find the difference between the total distance travelled by Q in the month of January and February together to that of total distance travelled by the same person in the month of May and June together?

- a) 60 km
- b) 40 km
- c) 80 km
- d) 20 km

e) None of these

43. Total distance travelled by all the 3 persons in the month of February is approximately what percentage more/less than the total distance travelled by all the 3 persons in the month of April?

- a) 25 % more
- b) 25 % less
- c) 15 % less
- d) 15 % more
- e) 40 % more

44. Find the average distance travelled by person Q in all the given months together?

- a) 920 km
- b) 1050 km
- c) 1180 km
- d) 1370 km
- e) None of these

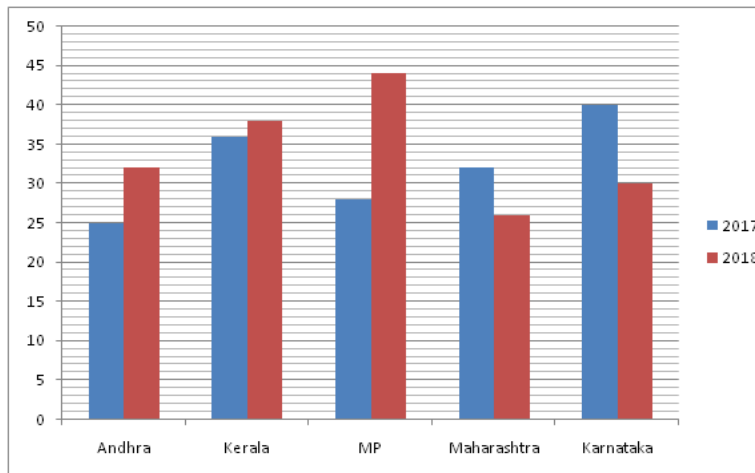
45. Total distance travelled by person P and Q together in the month of March is approximately what percentage of total distance travelled by person Q and R together in the month of May?

- a) 85 %
- b) 70 %
- c) 120 %
- d) 135 %
- e) 100 %

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Directions (46 – 50): Study the following information carefully and answer the given questions?

The following bar graph shows the total number of fortune magazine readers (In thousands) in the year 2017 and 2018 in 5 different states.



46. Find the ratio between the total number of fortune magazine readers of Kerala and MP in the year 2017 to that of the total number of fortune magazine readers of Maharashtra and Karnataka in the year 2018?

- a) 8 : 7
- b) 11 : 9
- c) 13 : 10
- d) 25 : 22
- e) None of these

47. Find the difference between the total number of fortune magazine readers of Andhra to that of Maharashtra in both the years together?

- a) 3000
- b) 5000
- c) 2000

d) 1000

e) None of these

48. Find the average number of fortune magazine readers of all the given states in the year 2018?

- a) 32000
- b) 34000
- c) 33000
- d) 35000
- e) None of these

49. Total number of fortune magazine readers of Andhra and Karnataka in the year 2018 is approximately what percentage of total number of fortune magazine readers of Kerala and Maharashtra in the year 2017?

- a) 103 %
- b) 78 %
- c) 66 %
- d) 117 %
- e) 91 %

50. The total number of fortune magazine readers of Kerala in both the years together is approximately what percentage more/less than the total number of fortune magazine readers of MP in both the years together?

- a) 15 % more
- b) 15 % less
- c) 3 % more
- d) 27 % more
- e) 3 % less

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EXPLANATION AND ANSWER

1. Answer: D)

Total gold medals won by these 5 colleges together = $32 + 23 + 35 + 18 + 20 = 128$.

2. Answer: B)

The total number of medals won by the college IMC = $(35 + 17 + 28) = 80$.

3. Answer: C)

Number of silver medals won by IML = 28

Number of bronze medals won by IMA = 18

Difference = 10

Thus, the required percentage = $10/18 \times 100 = 55.55\%$

4. Answer: B)

Number of silver medals won by IMB and XRI together = $33 + 36 = 69$

Total number of silver medals won by these 5 colleges together = 138

Thus, the required percentage = $69/138 \times 100 = 50\%$.

5. Answer: D)

Medal won by

IMA = 74

IMB = 81

IMC = 80

IML = 71

XRI = 89

Thus, we can see that IML won the least number of medals amongst the given five colleges.

6. Answer: C)

Number of comb sold by shopkeeper A = $120 + 180 = 300$

Number of comb sold by shopkeeper B = $160 + 90 = 250$

Required difference = $300 - 250 = 50$

7. Answer: D)

Number of comb sold by shopkeeper D = $220 + 140 = 360$

Number of comb sold by shopkeeper E = $260 + 120 = 380$

Required ratio = $360:380 = 18:19$

8. Answer: A)

Required percentage = $80/160 \times 100 = 50\%$

9. Answer: D)

Required average = $(180 + 90 + 160 + 140 + 120)/5 = 138$

10. Answer: B)

Revenue generated by shopkeeper B = $160 \times 8 + 90 \times 13 = 1280 + 1170 = \text{Rs. } 2450$

11. Answer: D)

We can see from the graph that in the year 2012,

Number of people traveling by metro = 200 million

Number of people traveling by bus = 350 million

Since, 40% of people travelling by metro shifted to bus

Now people travelling by bus = $350 + (40 \times 200)/100 = 350 + 80 = 430$ million

12. Answer: B)

Number of people preferring to travel by car in 2014 = 200 million

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Number of people preferring to travel by metro in 2014 = 100 million

∴ Required ratio = 200 : 100 = 2 : 1

13. Answer: B)

Total number of people travelling by car, metro and bus in 2013

= 150 + 250 + 300 = 700 millions

Number of people travelling by cars = 150 millions

∴ Required percentage = $150/700 \times 100 = 21.42\%$

14. Answer: D)

Number of people travelling by metro in 2015 = 250 millions

Number of people travel by metro in 2010 = 400 millions

Required difference = 400 - 250 = 150 millions

15. Answer: B)

Number of people travelling by metro in 2010 = 400 millions

Number of people travelling by metro in 2011 = 380 millions

Number of people travelling by metro in 2012 = 200 millions

Number of people travelling by metro in 2013 = 250 millions

Number of people travelling by metro in 2014 = 100 millions

Number of people travelling by metro in 2015 = 250 millions

Total number of people travelling by metro = (400 + 380 + 200 + 250 + 100 + 250) million = 1580 millions

(16 – 20): Common Explanation:

Year	Total Accounts	Savings accounts	Current accounts	Ratio of Savings account to Current accounts
SBI	2400	1500	2400 – 1500 = 900	5:3
PNB	3600	2000	3600 – 2000 = 1600	5:4
BOB	4500	2625	4500 – 2625 = 1875	7:5
OBC	5400	3240	5400 – 3240 = 2160	3:2

16. Answer: A)

17. Answer: B)

Average of number of savings accounts opened in SBI and PNB taken together = $(1500 + 2000)/2 = 1750$

Therefore, required difference = 1875 – 1750 = 125

18. Answer: D)

Required ratio = (900 + 1600): 4500 = 2500: 4500 = 5: 9

19. Answer: C)

Therefore, required revenue = $2625 \times 40 + 1875 \times 60 = 105000 + 112500 = \text{Rs. } 217500$

20. Answer: B)

Therefore, required percentage = $[(3240 - 1875)/1875] \times 100 = 72.8\%$

21. Answer: A)

Required percentage = $[(1800 - 1600)/1600] \times 100 = 1/8 = 12.5\%$

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22. Answer: B)

Average number of employees participating in dancing on Diwali, Independence Day and Republic day = $(1800 + 2400 + 750)/3 = 4950/3 = 1650$

Average number of employees participating in singing on Holi, Independence Day, Republic Day and Janmashtami = $(1600 + 900 + 1000 + 1500)/4 = 5000/4 = 1250$

Required difference = $1650 - 1250 = 400$

23. Answer: C)

Number of male employees participating in dancing on Republic Day = $0.5 \times 750 = 375$

Number of unmarried male employees participating in dancing on Republic day = $(1/3) \times 375 = 125$

24. Answer: D)

Total number of employees participating in dancing = 7250

Total number of employees participating in singing = 5600

Required ratio = $7250:5600 = 145:112$

25. Answer: E)

Number of employees participating in dancing on DurgaPooja = $1.63 \times 2400 = 3912$

Number of employees participating in singing on DurgaPooja = $0.64 \times 1500 = 960$

Required average = $(3912 + 960)/2 = 2436$

26. Answer: c)

Total number of students appeared for final examination from School A in the year 2011 and 2015 together

= $> 1250 + 1400 = 2650$

Total number of students appeared for final examination from School B in the year 2012 and 2014 together

= $> 1150 + 1350 = 2500$

Required % = $(2650/2500) \times 100 = 106\%$

27. Answer: a)

The total number of students appeared for final examination from School A in all the given years

= $> 1250 + 950 + 750 + 1500 + 1400 + 1150 = 7000$

The total number of students appeared for final examination from School B in all the given years

= $> 1000 + 1150 + 900 + 1350 + 1500 + 1200 = 7100$

Required difference = $7100 - 7000 = 100$

28. Answer: d)

The total number of students appeared for final examination from both the schools in 2016

= $> 1150 + 1200 = 2350$

The total number of students passed from both the schools in 2016

= $> 1150 \times (82/100) + 1200 \times (91/100)$

= $> 943 + 1092 = 2035$

Required ratio = $2350 : 2035 = 470 : 407$

29. Answer: b)

The ratio of total number of male to that of female students appeared for final examination from School A in 2011 = $13 : 12$

The total number of female students appeared for final examination from School A in 2011

= $> 1250 \times (12/25) = 600$

The ratio of total number of male to that of female students appeared for final examination from School A in 2013 = $7 : 8$

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The total number of female students appeared for final examination from School A in 2013

$$= > 750 \times (8/15) = 400$$

The average number of female students appeared for final examination from School A in 2011 and 2013

$$= > (600 + 400)/2 = 1000/2 = 500$$

30. Answer: a)

The average number of students appeared from School A and B together in the year 2012, 2013 and 2014

$$= > (950 + 1150 + 750 + 900 + 1500 + 1350)/3$$

$$= > 6600/3$$

$$= > 2200$$

31. Answer: b)

The total number of Dinathanthi readers in the month of January 2019

$$= > (56000 + 60000 + 64000 + 66000 + 62000 + 58000)/6$$

$$= > 61000$$

The total number of Dinamalar readers in the month of January 2019

$$= > 61000 - 6000 = 55000$$

The total number of Dinamalar readers in October 2018

$$= > 72000$$

$$\text{Required difference} = 72000 - 55000 = 17000$$

32. Answer: d)

The average number of Dinamalar readers in all the given months together in the year 2018

$$= > (42000 + 54000 + 70000 + 72000 + 64000 + 52000)/6$$

$$= > 59000$$

33. Answer: a)

The total number of Dinathanthi readers in the month of July, September and November together

$$= > 56000 + 64000 + 62000 = 182000$$

The total number of Dinamalar readers in the month of August, October and December together

$$= > 54000 + 72000 + 52000 = 178000$$

$$\text{Required ratio} = 182000 : 178000 = 91 : 89$$

34. Answer: c)

Total number of Dinathanthi and Dinamalar readers in the month of July

$$= > 56000 + 42000 = 98000$$

Total number of Dinathanthi and Dinamalar readers in the month of September

$$= > 64000 + 70000 = 134000$$

$$\text{Required \%} = (98000/134000) \times 100 = 73.13 \% = 73 \%$$

35. Answer: b)

The average number of Dinathanthi readers in all the given months together

$$= > (56000 + 60000 + 64000 + 66000 + 62000 + 58000)/6$$

$$= > 61000$$

The average number of Dinamalar readers in all the given months together

$$= > (42000 + 54000 + 70000 + 72000 + 64000 + 52000)/6$$

$$= > 59000$$

$$\text{Required difference} = 61000 - 59000 = 2000$$

36. Answer: b)

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The total number of pizzas sold by all the given stores in the month of July

$$= > 6600 + 5000 + 5600 = 17200$$

The total number of pizzas sold by all the given stores in the month of November

$$= > 7200 + 5600 + 6800 = 19600$$

$$\text{Required ratio} = 17200 : 19600 = 43 : 49$$

37. Answer: e)

The total number of pizzas sold in the month of January 2019 and August 2018 together

$$= > 5600 \times (120/100) + 6200 \times (125/100) + 7400 \times (110/100) + 5200 + 4600 + 5400$$

$$= > 6720 + 7750 + 8140 + 5200 + 4600 + 5400$$

$$= > 37810$$

38. Answer: a)

The average number of pizzas sold by store P in all the given months together

$$= > (6600 + 5200 + 6000 + 4800 + 7200 + 5600)/6$$

$$= > 35400/6 = 5900$$

39. Answer: d)

The total number of pizzas sold by store Q in all the given months together

$$= > 5000 + 4600 + 6400 + 5000 + 5600 + 6200$$

$$= > 32800$$

The total number of pizzas sold by store R in all the given months together

$$= > 5600 + 5400 + 5800 + 5200 + 6800 + 7400$$

$$= > 36200$$

$$\text{Required difference} = 36200 - 32800 = 3400$$

40. Answer: c)

Total number of pizzas sold by all the given stores in the month of September

$$= > 6000 + 6400 + 5800 = 18200$$

Total number of pizzas sold by all the given stores in the month of October

$$= > 4800 + 5000 + 5200 = 15000$$

$$\text{Required \%} = [(18200 - 15000)/15000] \times 100 = 21.33 \% = 21 \% \text{ more}$$

41. Answer: b)

The total distance travelled by P in the month of January, March and May together

$$= > 960 + 860 + 1120 = 2940 \text{ km}$$

The total distance travelled by R in the month of February, April and June together

$$= > 840 + 760 + 960 = 2560 \text{ km}$$

$$\text{Required ratio} = 2940 : 2560 = 147 : 128$$

42. Answer: d)

The total distance travelled by Q in the month of January and February together

$$= > 1040 + 780 = 1820 \text{ km}$$

The total distance travelled by the same person in the month of May and June together

$$= > 1040 + 760 = 1800 \text{ km}$$

$$\text{Required difference} = 1820 - 1800 = 20 \text{ km}$$

43. Answer: c)

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Total distance travelled by all the 3 persons in the month of February

$$= > 720 + 780 + 840 = 2340 \text{ km}$$

Total distance travelled by all the 3 persons in the month of April

$$= > 1060 + 920 + 760 = 2740 \text{ km}$$

$$\text{Required \%} = [(2740 - 2340) / 2740] * 100 = 15 \% \text{ less}$$

44. Answer: a)

The average distance travelled by person Q in all the given months together

$$= > (1040 + 780 + 980 + 920 + 1040 + 760) / 6$$

$$= > 5520 / 6 = 920 \text{ km}$$

45. Answer: e)

The total distance travelled by person P and Q together in the month of March

$$= > 860 + 980 = 1840 \text{ km}$$

The total distance travelled by person Q and R together in the month of May

$$= > 1040 + 820 = 1860 \text{ km}$$

$$\text{Required \%} = (1840 / 1860) * 100 = 98.92 \% = 100 \%$$

46. Answer: a)

The total number of fortune magazine readers of Kerala and MP in the year 2017

$$= > 36000 + 28000 = 64000$$

The total number of fortune magazine readers of Maharashtra and Karnataka in the year 2018

$$= > 26000 + 30000 = 56000$$

$$\text{Required ratio} = 64000 : 56000 = 8 : 7$$

47. Answer: d)

The total number of fortune magazine readers of Andhra in both the years together

$$= > 25000 + 32000 = 57000$$

The total number of fortune magazine readers of Maharashtra in both the years together

$$= > 32000 + 26000 = 58000$$

$$\text{Required difference} = 58000 - 57000 = 1000$$

48. Answer: b)

The average number of fortune magazine readers of all the given states in the year 2018

$$= > (32000 + 38000 + 44000 + 26000 + 30000) / 5$$

$$= > 170000 / 5 = 34000$$

49. Answer: e)

Total number of fortune magazine readers of Andhra and Karnataka in the year 2018

$$= > 32000 + 30000 = 62000$$

Total number of fortune magazine readers of Kerala and Maharashtra in the year 2017

$$= > 36000 + 32000 = 68000$$

$$\text{Required \%} = (62000 / 68000) * 100 = 91.17 \% = 91 \%$$

50. Answer: c)

The total number of fortune magazine readers of Kerala in both the years together

$$= > 36000 + 38000 = 74000$$

The total number of fortune magazine readers of MP in both the years together

$$= > 28000 + 44000 = 72000$$

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Required % = $[(74000 - 72000) / 72000] * 100 = 2.77\% = 3\%$ | more

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