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7529000183, 7529000184

RRB TEST - 4

Direction (11-15): Study the given information and answer the following questions:

Avi, Bimal, Cruse, Deva, Edwen, Fatima, Gaurav and Heena are eight persons sitting around a circle facing outward in one arrangement and in a straight line facing north in another arrangement. One of the immediate neighbour of Heena in straight line sits opposite Heena in the circle. Edwen sits third to the right of Bimal in the circle, while fourth to his left in the straight line. Fatima and Cruse are the immediate neighbour of Bimal in both the arrangements, but Cruse is not at the extreme ends of the row. The one who sits on the extreme left end sits second to the right of Edwen in the circle. Heena is not on the immediate left of Fatima in both the arrangements. Gaurav sits on the immediate left of Heena in the circle, but both are not immediate neighbours of each other in the straight line. Dev sits third to the right of Fatima in the straight line. The one who sits on the immediate left of Bimal in straight line is sitting on the immediate right of Bimal in the circle

Q11. Which of the following pairs sits at the extreme ends of the row?

- a. Gaurav , Avi b. Dev , Gaurav c. Dev , Fatima d. Heena , Bimal e. None of these

Q12. Who among the following sits on the immediate right of Fatima in the circle?

- a. Avi b. Bimal c. Cruse d. Edwen e. None of these

Q13. The person sitting between Gaurav and Cruse in the circle is sitting what position in the straight line?

- a. Between Cruse and Gaurav b. Immediate right of Avi c. Second from the right end
d. Third from the left end e. None of these

Q14. The one who sitting in the right end of the row is sitting what position in the circle?

- a. Between Bimal and Fatima b. Immediate right of Gaurav c. Between Edwen and Gaura
d. Third to the right of Cruse e. None of these

Q15. Who sits second to the left of Avi in the circle ?

- a. Edwin b. Bimal c. Cruse d. Heena e. None of these

Directions (16 - 20): Study the following information to answer the given questions:

In a certain code

'Crab Source Rhyme Praised' is written as '81H! 61R% 30R# 91O\$',

'Viewers Prey Ban Appraise' is written as '10P* 20A@ 22I% 61R#',

'Win Addict Cold Magician' is written as '30O# 32I@ 10D\$ 31A*'

'Miser Basic Kitkat Solvent' is written as '11I\$ 31I! 91O% 20A!'

Q16. What is the code for 'Sit Class Paragraph'?

- a. 30M! 91I@ 63A* b. 40L! 91I@ 61P% c. 30L! 71M@ 62A* d. 30L! 91I@ 61A* e. Cannot be determined

Q17. What could '21I%' stand for?

- a. Symbols b. Light c. License d. Urban e. Cannot be determined

Q18. What is the code of 'Mistake'?

- a. 31I% b. 13T@ c. 28S* d. 31M% e. Cannot be determined

Q19. Which is the code for 'Would Kill'?

- a. 42I! 11O# b. 42O# 11I# c. 42O! 11I# d. 42O\$ 11I# e. Cannot be determined

Q20. Which is the code for 'Thirteen Banks'?

- a. 20H# 20A@ b. 02H* 20A! c. 02H@ 02A! d. 20H* 02A\$ e. Cannot be Determined

Direction (21-25) In this question, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statement and select the appropriate answer .

Q21. Statements: $M < S = D > A > J > R$; $A < B = C > Z$; $Z > F$ **Conclusions:** I. $Z < S$ II. $C > R$

- a. Only conclusion I follows
b. Only conclusion II follows
c. Either conclusions I or II follows
d. Neither conclusion I nor II follows
e. Both conclusions I and II follows

Q22. Statements : $R > A > H < D < F$; $B > C < E > H$; $H < J > K < L$ **Conclusions:** I. $F > J$ II. $R = E$

- a. Only conclusion I follows
b. Only conclusion II follows
c. Either conclusions I or II follows
d. Neither conclusion I nor II follows
e. Both conclusions I and II follows

Q23. Statements: $F > G = H < I > J$; $K < L > M > N > H$; $H < B < C$ **Conclusions :** - I. $F > M$ II. $C > J$

- a. Only conclusion I follows
b. Only conclusion II follows
c. Either conclusions I or II follows
d. Neither conclusion I nor II follows
e. Both conclusions I and II follows

Q24. Statements: $F < D < M = R < N < J$; $R = K < L > O > P = E$ **Conclusions:** I. $L > F$ II. $J > O$

- a. Only conclusion I follows
b. Only conclusion II follows
c. Either conclusions I or II follows
d. Neither conclusion I nor II follows
e. Both conclusions I and II follows

Q25. Statements: $M < V < J > E > O < A < H$; $B > U > Z = Y < J$ **Conclusions:** I. $M = Z$ II. $B = J$

- a. Only conclusion I follows
b. Only conclusion II follows
c. Either conclusions I or II follows
d. Neither conclusion I nor II follows
e. Both conclusions I and II follows

Q26. Conclusions:

At least some hills being lake is a possibility.

Some mountains are hills.

Statements:

Statements – 1: All Hills are Mountains.

All hills are rivers. No hill is a lake.

Statements – 2: All Hills are Mountains.

All Mountains are rivers. No river is a lake.

Statements – 3: Some Hills are Mountains.

Some hills are rivers. No hill is a lake.

Statements – 4: Some Hills are Mountains.

All Mountains are rivers. No hill is a lake.

Statements – 5: All Hills are Mountains.

Some hills are rivers. No river is a lake.

- a. Only Statements – 1
- b. Only Statements – 2
- c. Only Statements – 3
- d. Only Statements – 4
- e. Only Statements – 5

Q27. Conclusions:

Atleast some beans are carrot.

Some brinjals being carrot is a possibility

Statements:

Statements – 1: All carrots are beans.

Some beans are apples.

No brinjal is Carrot.

Statements – 2: No carrots is beans.

Some beans are brinjals.

No brinjal is apple.

Statements – 3: All carrots are beans.

Some beans are brinjals.

No brinjal is apple.

Statements – 4: No carrots is beans.

Some beans are brinjals.

No brinjal is apple.

Statements – 5: All carrots are beans.

Some beans are apples.

No brinjal is carrot.

- a. Only Statements – 1
- b. Only Statements – 2
- c. Only Statements – 3
- d. Only Statements – 4
- e. Only Statements – 5

Q28. Conclusions:

All Donkeys being Tigers is a possibility

All Monkeys being Tigers is a possibility

Statements:

Statements – 1: All monkeys are Donkeys.

No Donkey is Tiger.

All elephants are Tigers

Statements – 2: All monkeys are Donkeys.

No Donkey is elephant.

All elephants are Tigers

Statements – 3: Some monkeys are Donkeys.

No Donkey is Tiger.

All elephants are Tigers

Statements – 4: No monkey is Tiger.

No Donkey is elephant.

All elephants are Tigers

Statements – 5: Some monkeys are Donkeys.

No Donkey is elephant.

No monkey is Tiger

- a. Only Statements – 1
- b. Only Statements – 2
- c. Only Statements – 3
- d. Only Statements – 4
- e. Only Statements – 5

Q29. Conclusions:

Some mugs are plates

At least some trays are cups

Statements:

Statements – 1: Some cups are trays. Some trays are plates. Some plates are mugs

Statements – 2: Some cups are plates. Some plates are trays. Some trays are mugs

Statements – 3: All cups are trays. Some trays are plates. No plate is mug

Statements – 4: All cups are trays. All trays are plates. No plates is mug

Statements – 5: Some cups are trays. Some trays are plates. No plate is mug

- a. Only Statements – 1
- b. Only Statements – 2
- c. Only Statements – 3
- d. Only Statements – 4
- e. Only Statements – 5

Q30. Conclusions:

All tanks are gingers.

Some gingers are not fishes

Statements : -

Statements – 1: Some tanks are jars. Some jars are ginger. No fish is jar

Statements – 2: All gingers are jars. Some jars are tanks. No fish is jar

Statements – 3: All tanks are jars. Some jars are ginger. Some fishes are ginger

Statements – 4: All tanks are jars. All jars are ginger. No fish is jar

Statements – 5: All tanks are jars. All jars are ginger. Some fishes are ginger

- a. Only Statements – 1
- b. Only Statements – 2
- c. Only Statements – 3
- d. Only Statements – 4
- e. Only Statements – 5

Directions (31-32): Study the following information and answer the given questions.

Point F is 10 m to the South of E.

Point G is 3 m to the East of F.

Point H is 5 m to the South of G.

Point I is 6 m to the West of H.

Point J is 10 m to the North of I.

Point K is 6 m to the East of J.

Point L is 5 m to the North of K.

Q31. Which of the following represents the direction of point G with respect to point J?

a. South-East

b. North-West

c. South-West

d. South

e. North-East

Q32. How far and in which direction is point E from point L?

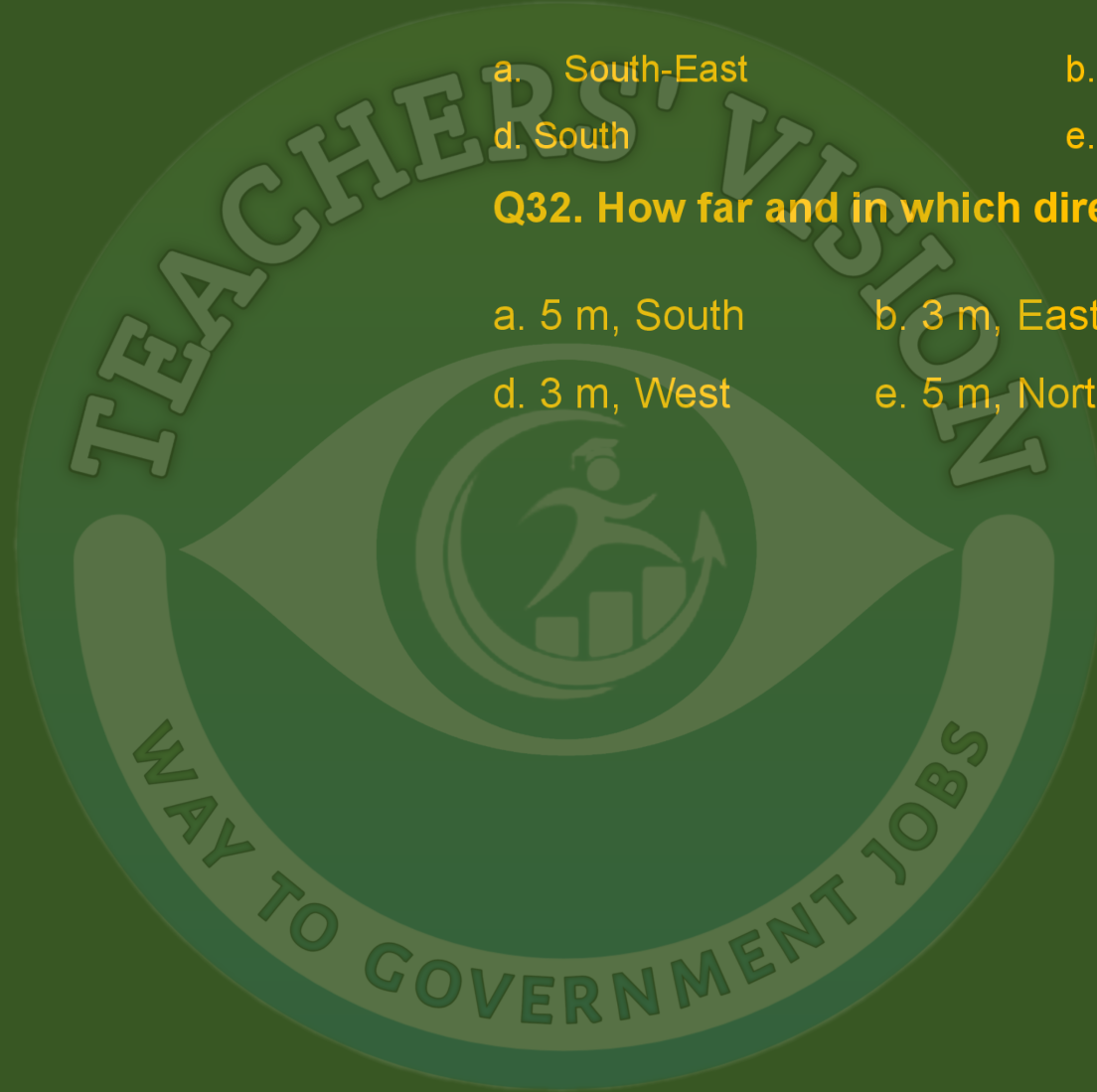
a. 5 m, South

b. 3 m, East

c. $\sqrt{234}$ m, North

d. 3 m, West

e. 5 m, North



Directions (33 - 34): Study the following questions carefully and answer the questions given below:

Y 4 8 A @ D F 3 # R N 1 M © W P § J 2 E 5 Z * 6 Q B 7 \$ H U 9 I K

Q33. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which of the following does not belong to that group?

- a. RMA
- b. JWE
- c. 562
- d. \$9B
- e. D#A

Q34. How many such consonants are there in the above arrangement each of which is immediately preceded by a symbol and immediately followed by a letter?

- a. None
- b. One
- c. Three
- d. Two
- e. More than three

Directions (35-36): Study the following questions carefully and answer the questions given below:

C is the sister of F

B is the brother of E's husband

D is the father of A and Grand father of F

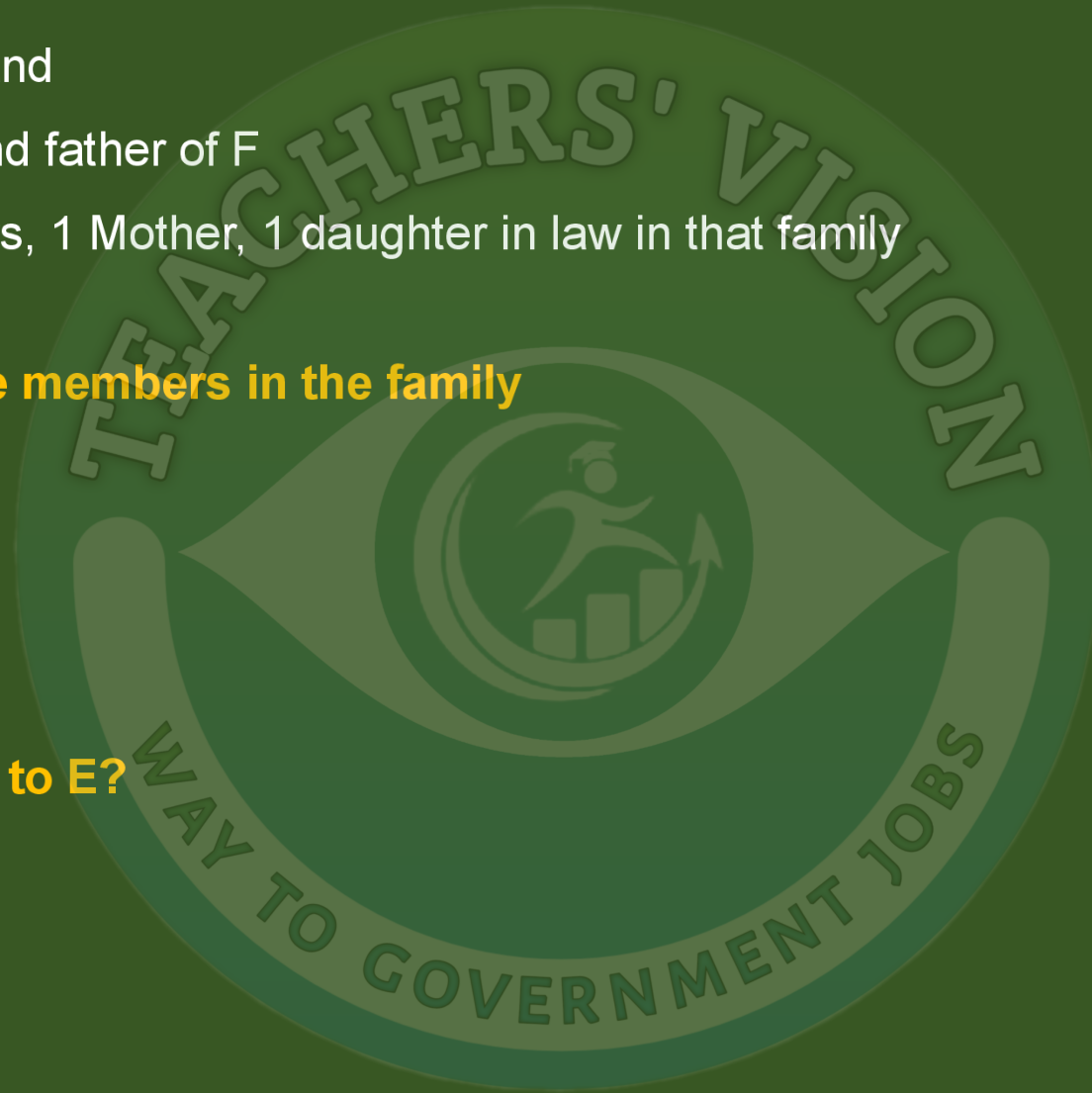
There are 2 father, 3 brothers, 1 Mother, 1 daughter in law in that family

Q35. How many female members in the family

- a. 2
- b. 3
- c. 4
- d. 5
- e. None of the above

Q36. How is 'F' related to E?

- a. Husband
- b. Son
- c. Daughter
- d. Grand son
- e. None of the above



Directions (37-38): Study the following series of letters, symbols and numbers carefully and The correct answer is the questions given below.

P □ 7 E N ? 2 L * □ K W 8 \$ = 5 J D ÷ V 6 F G @ 3 C R.

Q37. How many such symbols are there in the above series each of which is immediately preceded by a number?

- a. Three
- b. Nil
- c. Two
- d. One
- e. None of these

Q38. How many such letters are there in the above series each of which is not immediately preceded by a symbol?

- a. Ten
- b. Nine
- c. Six
- d. Seven
- e. None of these

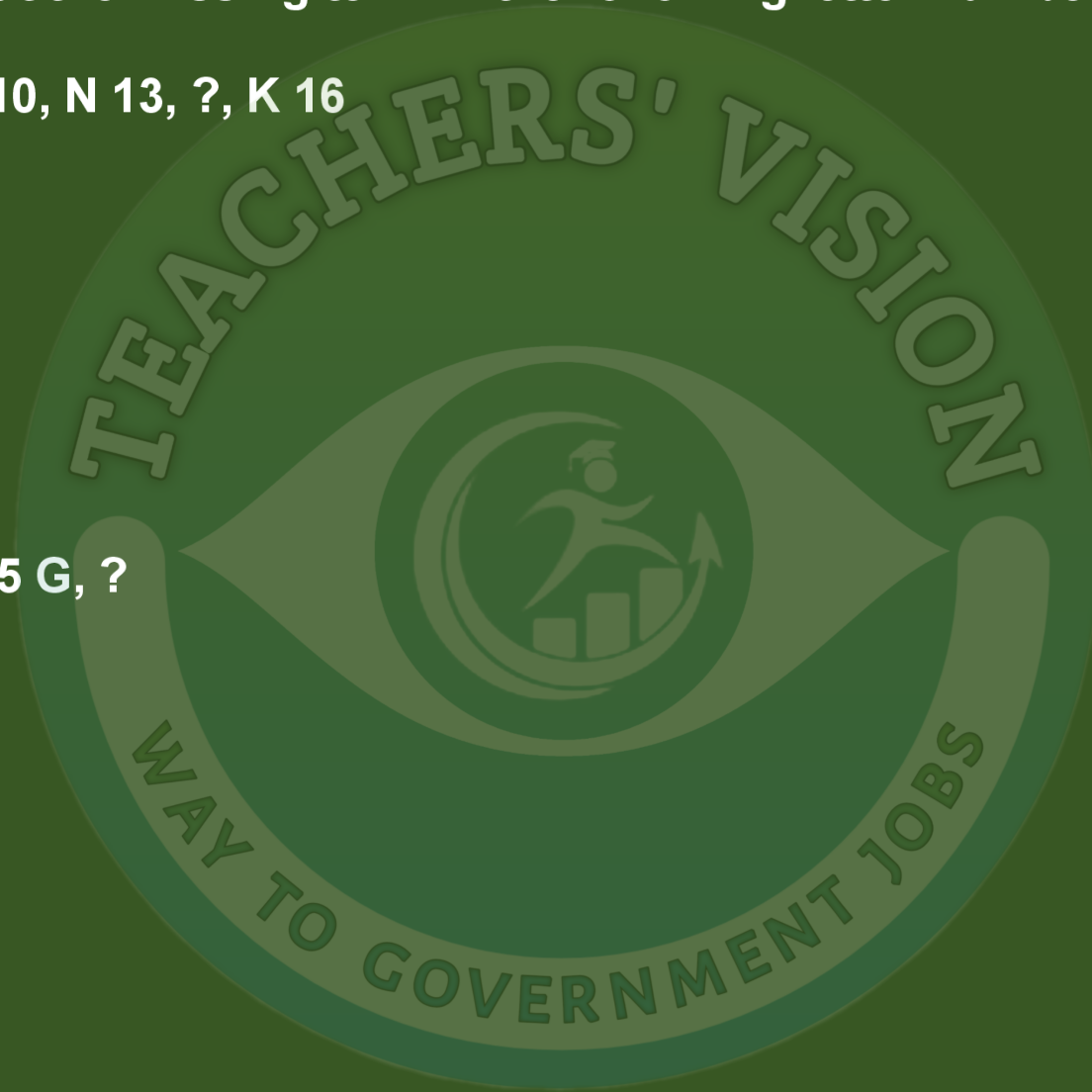
Directions (39-40) : Find out the missing term in the following letter number series—

Q39. M 4, T 7, P 7, Q 10, S 10, N 13, ?, K 16

- a. V 4
- b. K 7
- c. T 13
- d. G 15

Q40. R 5 P, T 6 M, V 9 J, X 15 G, ?

- a. A 12 L
- b. I 18 X
- c. Z 25 D
- d. U 20 Q



Directions (1 - 5): What approximate value will come in place of question mark (?) in the following equations?

Q1. $339\% \text{ of } 803 + 77.8\% \text{ of } 1107 = ?$

- a.3175 b.3320 c.3580 d.3710 e.3950

Q2. $\sqrt{2300} \times \sqrt{240} = ?$

- a. 685 b. 705 c.815 d.745 e.635

Q3. $14.03 \times 27.489 - 8.749 \times 16.04 = ?$

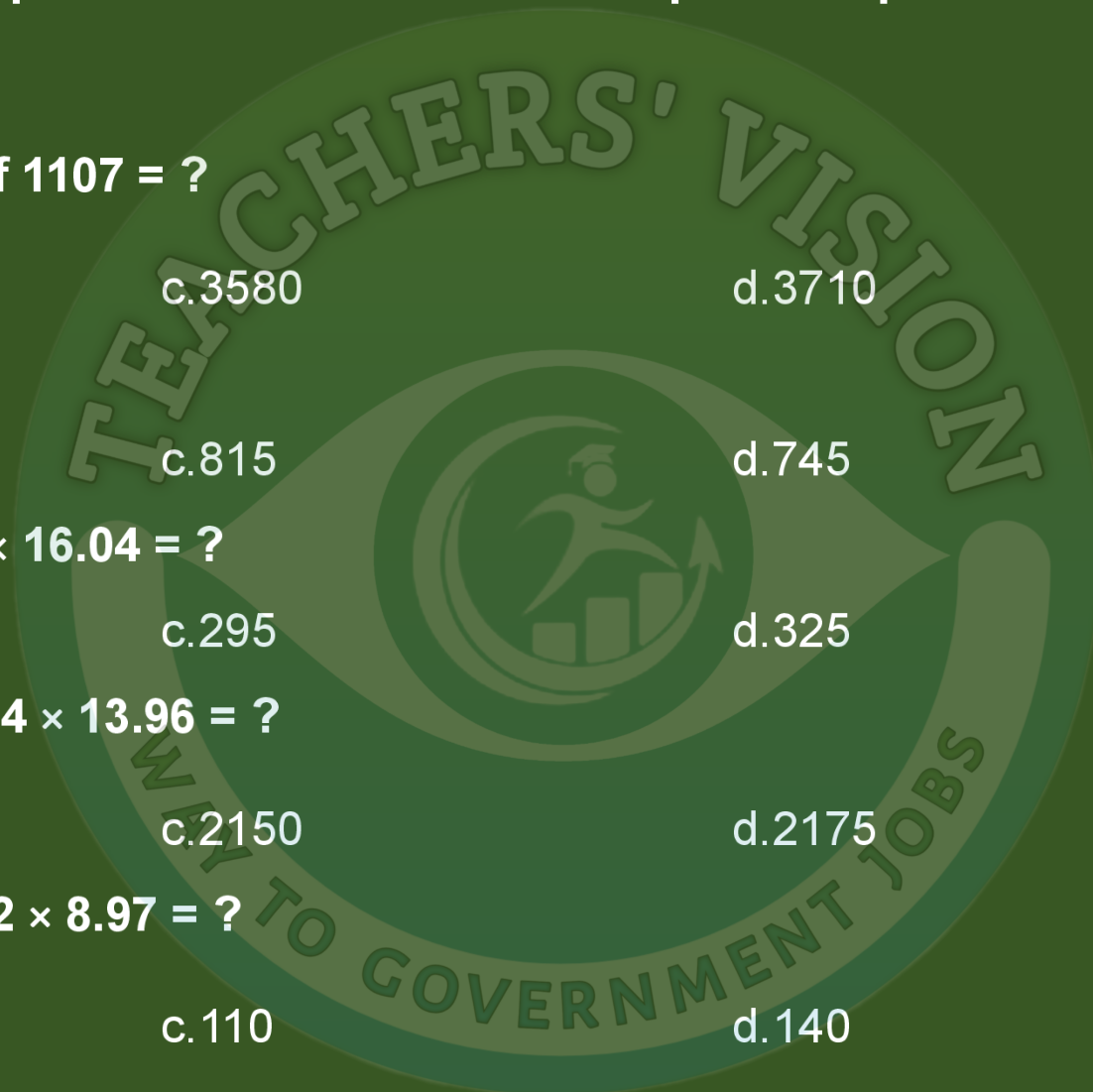
- a.210 b.250 c.295 d.325 e.350

Q4. $119.003 \times 14.987 + 21.04 \times 13.96 = ?$

- a.2080 b.2120 c.2150 d.2175 e. 2200

Q5. $17.38\% \text{ of } 1557 - 21.012 \times 8.97 = ?$

- a.50 b.80 c.110 d.140 e.175



Directions (6 - 10): What should come in place of question mark (?) in the following number series?

Q6. 17 19 23 29 37 ?

- a.46 b.49 c.47 d.48 e. 45

Q7. 900899 891 864 800 ?

- a.695 b.685 c.665 d.675 e. 655

Q8. 4 32 224 1344 6720 ?

- a.26885 b.26880 c.26882 d.26888 e. 26883

Q9. 56 54 58 50 66 ?

- a.34 b.98 c.38 d.94 e. 44

Q10. 655637 622 610 601 ?

- a.598 b.593 c.595 d.597 e. 594



Directions (11 - 17) In each of these questions two equations (I) and (II) are given. You have to solve both the equations and give answer

- a. if $x > y$ b. if $x \geq y$ c. if $x < y$ d. if $x \leq y$ e. if $x = y$ or no relation can be established between x and y

Q11.

I. $x^2 + 42 = 13x$

II. $y = \sqrt[4]{1296}$

Q12.

I. $3x^2 - 23x + 40 = 0$

II. $2y^2 - 23y + 66 = 0$

Q13.

I. $15x^2 - 46x + 35 = 0$

II. $4y^2 - 15y + 14 = 0$

Q14.

I. $4x + 3y = (1600)^{1/2}$

II. $6x - 5y = (484)^{1/2}$

Q15.

I. $2x^2 - (4 + \sqrt{13})x + 2\sqrt{13} = 0$

II. $10y^2 - (18 + 5\sqrt{13})y + 9\sqrt{13} = 0$

Q16.

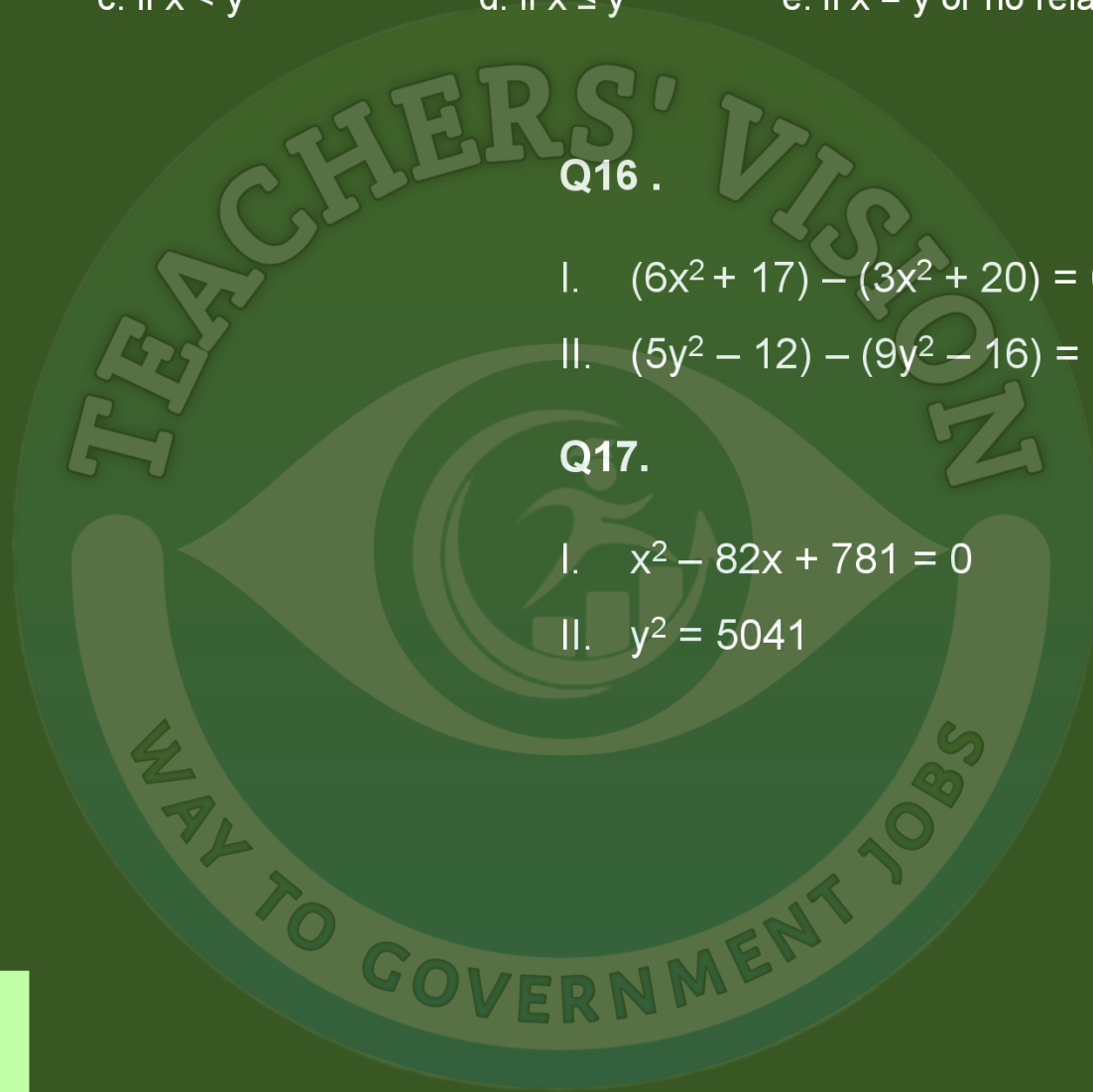
I. $(6x^2 + 17) - (3x^2 + 20) = 0$

II. $(5y^2 - 12) - (9y^2 - 16) = 0$

Q17.

I. $x^2 - 82x + 781 = 0$

II. $y^2 = 5041$



Directions (18 - 19): In the following questions, three equations numbered I, II and III are given. You have to solve all the equations either together or separately, or two together and one separately or by any other method and give answer

- a. if $x = y > z$
- b. if $x < y = z$
- c. if $x < y > z$
- d. if $x = y = z$ or if none of the above relationship can be established.
- e. if $x \leq y < z$

Q18.

I. $3x + 5y = 69$

II. $9x + 4y = 108$

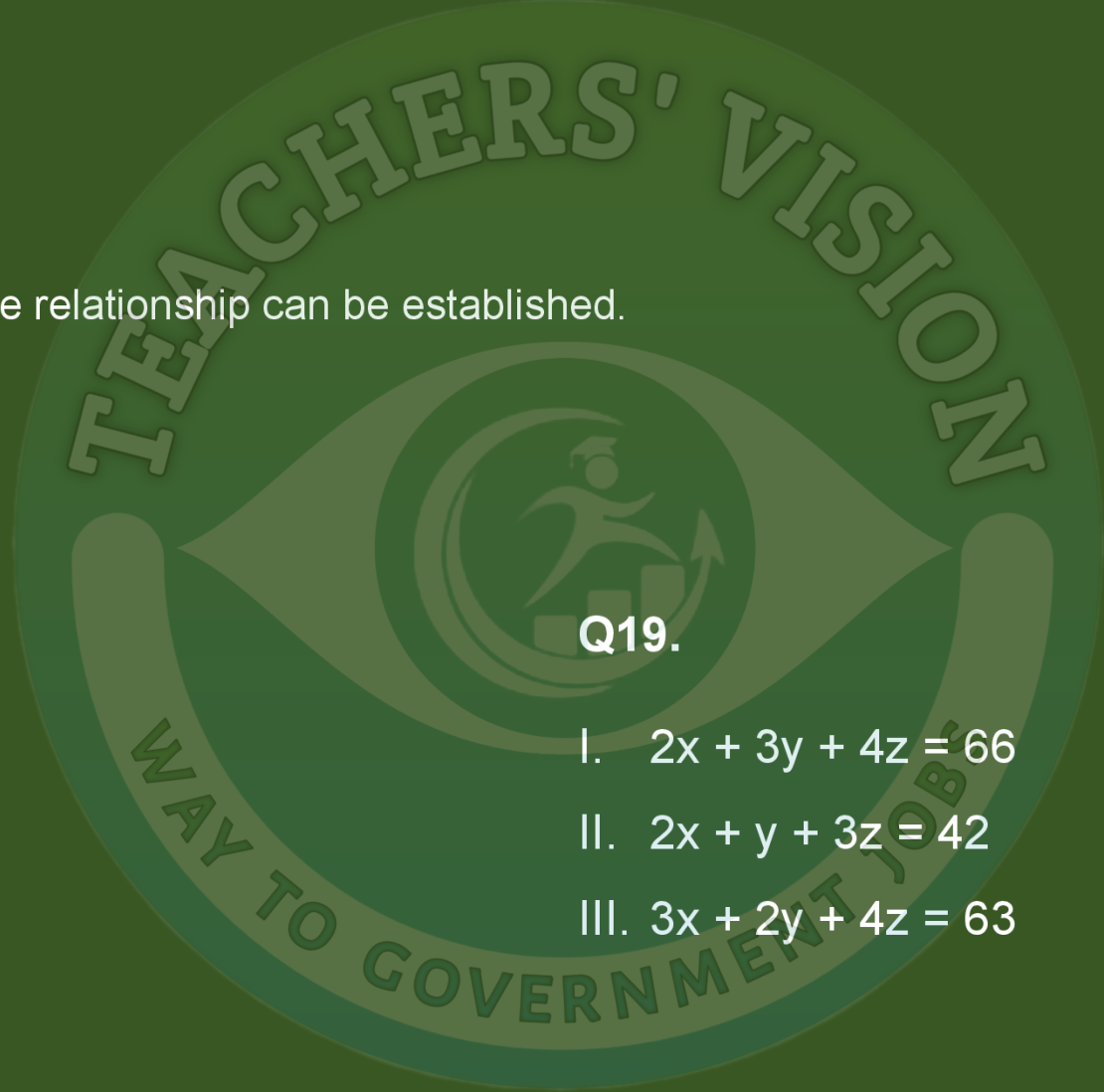
III. $x + z = 12$

Q19.

I. $2x + 3y + 4z = 66$

II. $2x + y + 3z = 42$

III. $3x + 2y + 4z = 63$



Q20. How many students of institutes A and F are studying at graduate level?

- a. 7516
- b. 8463
- c. 9127
- d. 9404
- e. Cannot be determined

Q21. Total number of students studying at post-graduate level from institute B and C is?

- a. 5601
- b. 5944
- c. 5944
- d. 6669
- e. none of these

Q22. What is the total number of graduate and post-graduate level from institute E?

- a. 8320
- b. 7916
- c. 9116
- d. 8372
- e. None of these

Q23. What is the ratio between the number of students studying at post-graduate and graduate levels respectively from institute F?

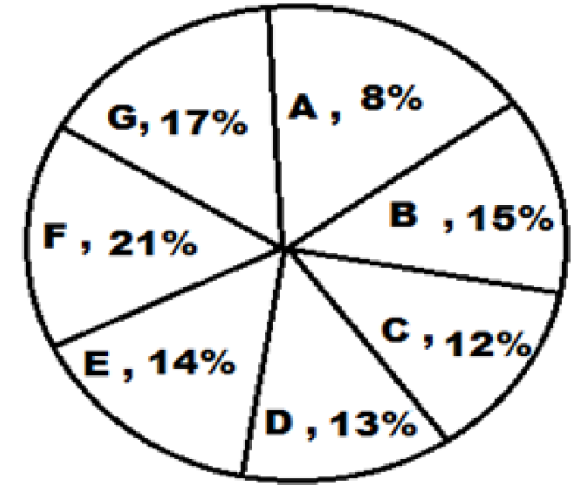
- a. 14 : 19
- b. 19 : 21
- c. 17 : 21
- d. 19 : 14
- e. None of these

Q24. What is the ratio between the number of students studying at post-graduate level from institute F and the number of students studying at graduate level from institute D?

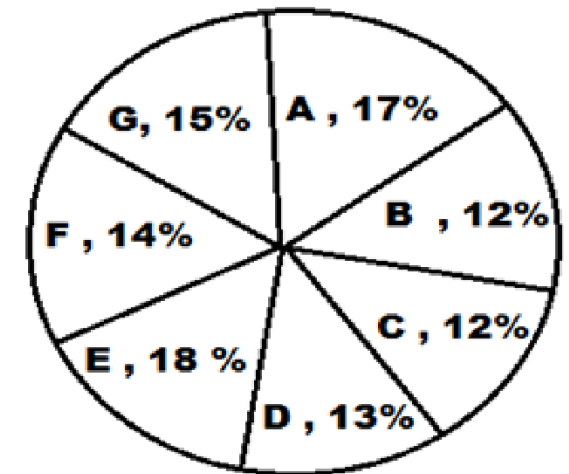
- a. 13 : 19
- b. 21 : 13
- c. 13 : 8
- d. 19 : 13
- e. None of these

Directions (20 - 24): The following pie charts show the distribution of students of graduates and post-graduates levels in seven different institutes – A, B, C, D, E, F and G

TOTAL NUMBER OF STUDENTS OF GRUATE LEVEL = 24700



TOTAL NUMBER OF STUDENTS OF GRUATE LEVEL = 27300



Q25. In 2015, if the number of female qualified candidates was 176, what was the respective ratio of number of male qualified candidates and number of female qualified candidates in 2015 ?

- a. 25 : 16 b. 5 : 4 c. 25 : 11 d. 21 : 16 e. None

Q26. The number of appeared candidates increased by 40% from 2011 to 2016. If 25% of the appeared candidates qualified in 2016, what was the number of qualified candidates in 2016?

- a. 240 b. 225 c. 255 d. 245 e. None

Q27. In 2012, the respective ratio of number of appeared candidates to the qualified candidates was 5:4. Number of female qualified candidates constitutes what per cent of number of appeared candidates in the same year?

- a. 20 b. 25 c. 30 d. 15 e. 40

Q28. In 2014, if the difference between number of male qualified candidates and female qualified candidates was 72, what was the number of appeared candidates in 2014?

- a. 800 b. 900 c. 850 d. 600 e. None

Directions (25 - 28): Study the table and answer the given questions. Data related to candidates appeared and qualified from a state in a competitive exam during 5 years.
No. of appeared candidates % of appeared candidates who qualified Respective ratio of number of qualified male & female candidates

Years	No. of appeared candidates	% of appeared candidates who qualified	Respective ratio of number of qualified male & female candidates
2011	700	—	3 : 2
2012	—	—	5 : 3
2013	480	60%	—
2014	—	42%	9 : 5
2015	900	64%	—

Q29. If Raju spent Rs 4500 more on food and transport together than he spent on rent, then Find his monthly expenses.

- a. 20,000 b. 15,000 c. 30,000 d. 40,000 e. 35,000

Q30. If Raju increased his savings, which is currently 10% of his income, by 20% and reduced his expenses by 20%, then his savings would be what percentage of his expenses approximately?

- a. 15% b. 25% c. 30% d. 10% e. 20%

Q31. Raju spent 20% of his expenditure on 'others' on entertainment. This amounted to Rs 2100. Find his expenditure on education.

- a. 4,500 b. 5,000 c. 7,000 d. 6,500 e. None of these

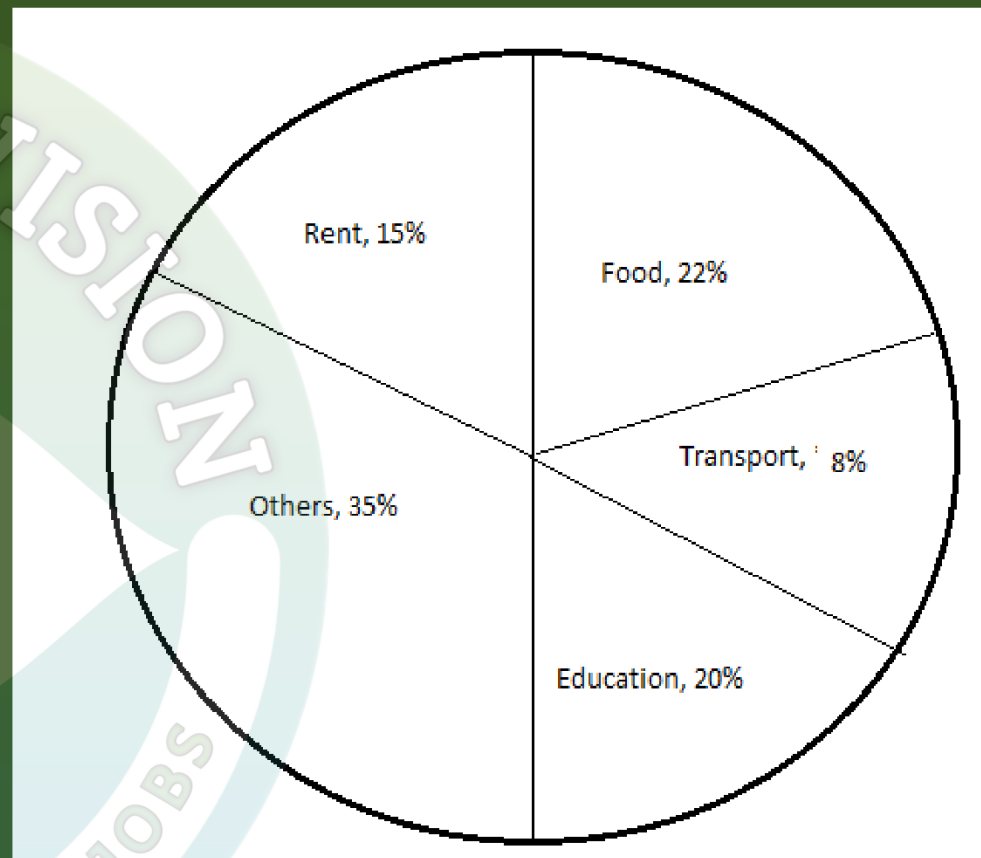
Q32. Find the angle made by the expenditure on rent and 'others' put together .

- a. 150° b. 160° c. 180° d. 200° e. None

Q33. As prices dropped, Raju's expenditure on clothes dropped by 10%. As a result of this, his expenditure on 'others' decreased from Rs 10,500 to Rs 10,290. What percentage of his expenditure on 'others' was spent on clothes?

- a. 12% b. 30% c. 16% d. 20% e. None

Directions (29 - 33): The following pie chart represents the break-up of Raju's monthly Expenses.



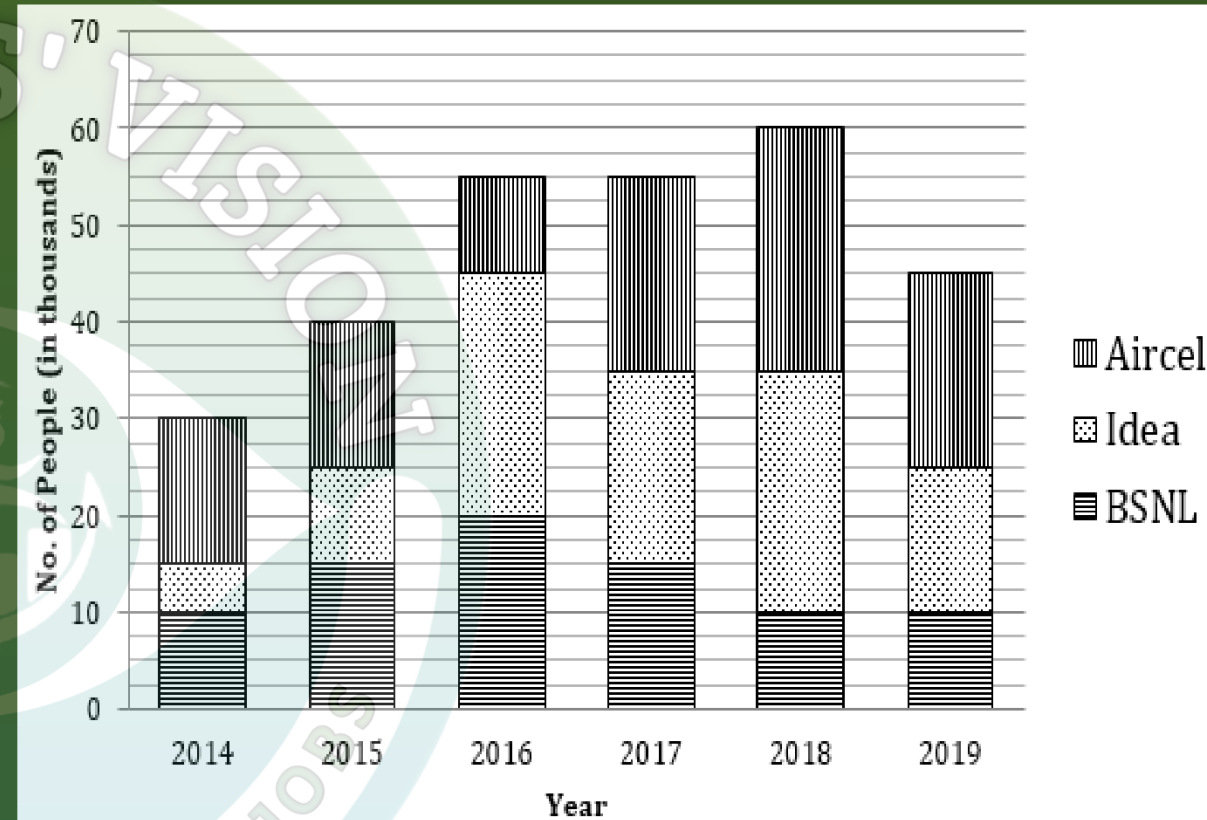
Directions (34 - 35): Study the given graph carefully to answer the questions that follow:

Q34. What is the ratio of the number of people using mobile service of BSNL in the year 2015 to that of those using the same service in the year 2014?

- a. 8 : 7 b. 3 : 2 c. 19 : 13 d. 5 : 11 e. None

Q35. What is the total number of people using mobile service of Idea in the years 2018 and 2019 together?

- a. 35,000 b. 30,000 c. 45,000 d. 25,000 e. None



Q36. An order was placed for supply of carpet of breadth 3 metres, the length of carpet was 1.44 times of breadth. Subsequently the breadth and length were increased by 25 and 40 per cent respectively. At the rate of Rs. 45 per square metre, what would be the increase in the cost of the carpet:

- a. Rs 1020.6 b. Rs. 398.8 c. Rs 437.4 d. Rs 583.2 e. None

Q37. The length of the rectangular plot is thrice its breadth. If the area of the rectangular plot is 7803 sq. metre, what is the breadth of the rectangular plot :

- a. 51 metre b.153 metre c.104 metre d. 88metre e. None

Q38. In a mixture of milk and water the proportion of water by weight was 75% . If in the 60 gms mixture 15 gms , water was added, what would be the percentage of water in the new mixture:

- a. 75% b.88% c.90% d.100% e. None

Q39. A shopkeeper bought 30 kg of wheat at the rate of Rs. 45 per kg. He sold forty percent of the total quantity at the rate of Rs. 50 per kg. Approximately, at what price per kg, should he sell the remaining quantity to make 25% overall profit:

- a. Rs 54 b. Rs. 52 c. Rs. 50 d. Rs. 60 e. Rs.56

Q40. Arun invested a sum of money at a certain rate of simple interest for a period of four years. Had he invested the same sum for a period of six years the total interest earned by him would have been fifty percent more than the earlier interest amount. What was the rate of interest per cent per annum : -

- a.4 b.8 c.5 d. can't determine e. none

