

# **Infosys Reasoning Ability**



Q. The central total angle in a pie chart is equal to  
please provide your response below

- A. Three right angle
- B. Two right angle
- C. One right angle
- D. Four right angles

Q. The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Question: What is the cost of fencing the field at the rate of Rs.20 per meter?

Statement I: The length of the rectangular field is 5 m more than the breadth.

Statement II: The area is  $300 \text{ m}^2$

- A. I alone is sufficient while II alone is not sufficient
- B. II alone is sufficient while I alone is not sufficient
- C. Neither I nor II is sufficient
- D. Both I and II are sufficient

Q. In any number system  $(6 + 9) \times 17$  is 71, then  $(4+7) \times 19$  is \_\_\_\_\_ [2 Marks]

A. 74

B. 47

C. 29

D. 209

Q. In a pie chart observation A covers 17% of the area, then the central angle of the observation A is

- A. 60.2 degree
- B. 62 degree
- C. 61.2 degree
- D. 61.02 degree

Q. Which number replace the question mark :

4329,2987,8752,5221,?,8737 [3 Marks]

- A. 7787
- B. 5721
- C. 8721
- D. 2187

Q. Find the missing term in the following letter series : DEF, HFF, LGF, PHF, ?

- a. SHF
- b. TIF
- c. SJF
- d. SIF

Q. Find the missing term in the following series : Z13, V11, P8 . ?

- a. H4
- b. K6
- c. J5
- d. F3

Q. If DARK is coded as 4192, CURD is coded as 3394, then what is the code for DRAWER?

- a. 491558
- b. 491667
- c. 491568
- d. 491559

Q. In a certain code language BOTTOM is written as 413312, ALEXA is written as 57695, then what will 'METAL' be coded as?

- a. 26357
- b. 29675
- c. 23327
- d. 35456

Q. Find the wrong term in the series : 15, 22, 30, 39, 49, 58, 72

a. 39

b. 72

c. 58

d. 49

Q. Question Select the pair that is related on the same basis to the pair given in the question. MNO: KNQ : ?

a. STU: UVW

 b. VWX: TWZ

c. IJK: LMN

d. DEF: CEG

Q. In a certain code language DENMARK is written as NEDMKRA, CHINA is written as HCIAN, then what will 'DUBAI' be coded as?

- a. AUIEU
- b. UDRIA
- c. UDBIA
- d. DUAIB

Q. Which two signs should be interchanged to make the below equation mathematically correct?  $192 / 16 + 14 * 4 - 5 = 6$

a. + , \*

b. \* , /

c. - , \*

d. + , -

Q. If  $(x+16) > (y-2) + 4$ , then which among the following is true?

- a.  $x-y < 14$
- b.  $x-y > 14$
- c.  $y-x > 14$
- d.  $y-x < 14$

 d.  $y-x < 14$

Q. Select the option that is related to the third number on the same basis as the second number is related to the first number  $24 : 600 :: 13 : ?$

- a. 184
- b. 182
- c. 186
- d. 188

Q. If  $7y+42 < 14$ , then which among the following is true?

a.  $y > 8$

b.  $y < -4$

c.  $y < 4$

d.  $y < 8$

Q.In a certain code language MUSICIAN is written as LVRJBZ, then what will 'PHARMACY' coded as?

- a. QISZLBZB
- b. OIZSLBBZ
- c. QIZSLBBZ
- d. OSIZLLBQ

Q. In a certain code language CYCLE is written as 26224. FAMILY Is written as 503826, then what will LAWYER be coded as?

- a. 204468
- b. 204458
- c. 204648
- d. 205544

Q. Find the wrong term in the series 3, 8, 15, 24, 35, 49

- a. 8
- b. 24
- c. 35
- d. 49

Q. Which two numbers should be interchanged to make the below equation mathematically correct?

$$140 * 7 + 5 - 9 / 4 = - 11$$

 a. \*, /

b. \*, +

c. \*, -

d. +, -

Q. Select the pair that is related on the same basis to the pair given in the question

Watch : Battery ?

- a. Engine: Oil
- b. Train: Bus
- c. Table: Chair
- d. Sugar: Sugarcane

Q. If in a certain code language SMOKE = 191315115 , DARK 411811 ,  
DEAF = 4516, then what is the code for ANGEL?

- a. 1247512
- b. 1146612
- c. 1147512
- d. 1146512

Q. In a certain code language,  
"dis lis kis" means color is pink,  
"lis fis bis" means pink looks best,

What is the code for 'pink'?

- a. Kis
- b. Pis
- c. Lis
- d. fis

Q. Select the pair that is related on the same basis to the pair given in the question. Love: Hate :: ?

 a. Bright: Dark

b. Happy: Cheerful

c. Strength: Power

d. Sad: Gloomy

Q. In a certain code language FREEDOM is written as GSFFEPN, then what will be the code of INDNAE

- a. JOBE OF
- b. JOEOBF
- c. JOEB OF
- d. JEOFOB

Q. In a certain code language SUBHAM is written as MAHSUB, then what will 'TOPPER' be coded as?

- a. PPEROT
- b. POTPER
- c. REPTOP
- d. PERPOT

Q. Find the missing term in the following letter series : AY, DV, HR, MM, ?

- a. SG
- b. HS
- c. SH
- d. GS

Q. In the following question, select the odd word from the given alternatives

- a. Visakhapatnam
- b. Shillong
- c. Dehradun
- d. Aizawl

Q. In a certain code language, 143 means very hard study, 284 means study and work, 215 means work is hard, then what is the code of 'is'?

- a. 1
- b. 4
- c. 2
- d. 5

Q. Complete the following number series:-11, -9, -13, -7, \_\_\_\_\_

a. -17

b. -15

c. -1

d. -5

Q. Teena has 3 daughters and each of them, has a brother then the (minimum) number of kids Teena has is \_\_\_\_\_

A. 4

B. 6

C. 5

D. 3

Q. Sohan is facing North-East and turns through 90 degree in the anti-clockwise direction and then 135 degree in the clockwise direction. Which direction is Sohan facing now?

- A. North
- B. South-West
- C. South
- D. East

Q. If '+' means 'x', '-' means '/', 'x' means '+', and '/' means'-', then which of the following equation would be correct?

- A.  $8/3 \times 2 + 8 - 6 = 10$
- B.  $18 - 3 + 2 \times 8 / 6 = 14$
- C.  $18 - 3 / 2 \times 8 - 6 = 17$
- D.  $18 \times 3 + 2 / 8 - 6 = 15$

Q. The height of the rectangles in a histogram represents  
please provide your response below

- A. Class interval
- B. Frequency
- C. Range
- D. Class width

Q. The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient question.

Question: is the school open on Friday?

Statement I: The library is operational on every Tuesday, Wednesday and Saturday.

Statement II: The School is open only when the library is closed.

- A. Both I and II are sufficient
- B. Neither I nor II is sufficient
- C. II alone is sufficient while I alone is not sufficient
- D. I alone is sufficient while II alone is not sufficient

In this question, three statements have been given followed by two conclusions numbered I and II. Assuming that all information in the statements are true, analyse the two conclusions together and determine whether any of them logically and definitely follow(s) from the information given in the statements.

Statement I: Some chicks are hens.

Statement II: Some hens are ducks.

Statement III: All ducks are birds.

Conclusion I: Some chicks are ducks.

Conclusion II: Some hens are birds.

- A. Both I and II follows
- B. Only II follows
- C. Only I follows
- D. Neither I nor II follows

A bus can travel from Chennai to Kolkata using three different routes. It can travel from Kolkata to Delhi using four different routes and from Delhi to Shimla using two different routes. In how many ways can the bus travel from Chennai to Shimla?

please provide your response below

- A. 12
- B. 25
- C. 24
- D. 20

Q. What will be next term in the series? 2Z3Y, 4X5W, 6V7U, ?

please provide your response below

A. 8T9S

B. 8G9H

C. 8E9F

D. 8R9S

Q. If 'X @ Y' means 'X is the father of Y': 'X % Y' means 'X is the sister of Y'; 'X # Y' means 'X is the mother of Y', then which of the following means 'J has two children"? please provide your response

below

- A. J@K%O
- B. J#K#O
- C. J@K#O
- D. J%K@O

Q. Marie is 7 years younger than Sherlock and 9 years younger to David, while David and Ajay are twins. Find the age of Ajay if Marie is 42 years old.  
please provide your response below

- A. 55 years
- B. 48 years
- C. 39 years
- D. 51 years

Q. The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer.

The question Read both the statements and give answer.

Question What is the area of the rhombus?

Statement I: The side of a rhombus is 14 cm.

Statement II: The diagonals of the rhombus are 6cm and 8 cm

- A. Either I or II is sufficient
- B. II alone is sufficient while I alone is not sufficient
- C. Neither I nor II is sufficient
- D. I alone is sufficient while II alone is not sufficient

Q. Numbers 11 to 25 are written on separate slips (one number on each slip) are kept in a bowl and mixed well. One slip is chosen from the bowl without looking in to it. What is the probability of getting a prime number?

please provide your response below

- A.  $1/5$
- B.  $1/4$
- C.  $1/3$
- D.  $1/2$

Q. The data of total four wheelers manufactured by 5 companies A,B,C,D, & E in May-2021 were represented by a pie-chart in which A,B,C,D & E has central angle in degrees 92, 88, 75, 35, 70 respectively. If total manufacturing of four wheelers by these companies was 178920 in same month. Then the difference of manufactured units between companies A & E is

- A. 10349
- B. 10943
- C. 10493
- D. 10934

Q. The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient question.

Question: Who is older Jim or Jack?

Statement I: Jim is 5 years older than Jack's Brother

Statement II: Jack's brother is 2 years old and Jack's age is two years more than twice the age of his brother

- A. Both I and II together are sufficient
- B. Both I and II together are insufficient
- C. II alone is sufficient while I alone is not sufficient
- D. I alone is sufficient while II alone is not sufficient

Q. Total marks scored by Amit and Anit in physics is 156. Total marks scored by Anit and Shreya is 128. Marks scored by Amit and Shreya is 188. Find the marks scored by Shreya.

- A. 32
- B. 58
- C. 78
- D. 80

Q. The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient question.

Question: How many pieces of such cube are formed?

Statement I: A 12 cm cube is melted into a small cubes of length 2 cm.

Statement II: The volume of each small cubes is  $8 \text{ cm}^3$

- A. Either I or II is sufficient
- B. Neither I nor II is sufficient
- C. II alone is sufficient while I alone is not sufficient
- D. I alone is sufficient while II alone is not sufficient

Q. Which option is correct to replace the question mark :

2, 3, 10, 15, 26, 35, ?

A. 48

B. 46

C. 50

D. 44

 C. 50

Q. In the question, one statement is given, followed by two assumptions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts have to decide which of the given assumptions, if any, is implicit.

Statement: The teacher advised the students to listen to music to have a healthy mind.

Assumption I: The teacher is bound to advise the students.

Assumption II: The teacher is thinking for the well being of students.

A. Neither I nor II is implicit

B. Only I is implicit

 C. Only II is implicit

D. Both I and II are implicit

Q. In the question below, three statements are given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements: All men are small. All small are gentlemen. Some women is small.

Conclusion: I Some gentlemen are women. II. No woman is a men

- A. Only conclusion I follows
- B. Only conclusion II follows
- C Both conclusion I and II follows
- D. Neither conclusion I nor II follows

Q. How many 6's are there which are neither followed by an even number nor preceded by an odd number. 5 3 6 4 3 7 6 2 1 6 9 3 3 1 7 8 6 3 6 9

- A. 0
- B. 1
- C. 4
- D. 3

Q. In this question, four statements have been given followed by three conclusions. Assuming that all information in the statements are true, analyse the conclusions together and determine whether any of them logically and definitely follow(s) from the information given in the statements.

Statement I: Some pictures are old. Statement II: Some old are memories.

Statement III: All memories are painful. Statement IV: No painful is remembered.

Conclusion I: All pictures are painful. Conclusion II: Some old are painful.

Conclusion III: Some old are not remembered., please provide your response

- A. Only I follows
- C. Only I and II follows
- B. Only II and III follows
- D. All three follow

Q. The sum of first 35 odd natural number is \_\_\_\_\_

- A. 3525
- B. 1525
- C. 2025
- D. 1225

Q. If father's present age is double of the age of son's present age, then the difference of father's and son's age after 12 years will be \_\_\_\_\_

- A. One third of the difference of their present age
- B. One fourth of the difference of their present age
- C. Same of the difference of their present age
- D. Double of the difference of their present age

Q. In a code language, the word "ACADEMIC" is coded as "BEDHJSPK". How is the word "TREASURE" written in that language?

- A. UTHEYAYM
- B. UTHEXBYM
- C. UTHEXAzm
- D. UTHEXAYM

Q. The percentage of total four wheelers manufactured by 5 companies A,B,C,D, & E in May-2021 were 18%, 22%, 15%, 20% and 25% respectively, If total manufacturing of four wheelers by these companies was 175220 in same month, then the difference of manufactured unit between companies C & E is

- A. 1750
- B. 17522
- C. 17520
- D. 1752

Q. If '+ means '-', '/' means '+', '-' means 'x' and 'x' means '/'. Which of the following will be the value of the expression?  $99 \times 11 + 67 / 166$

- A. 111
- B. 108
- C. 107
- D. 109

Q. The sales of mobile phones in June-2021 is as follows : Apple - 105000 (online sale) & 96050 ( retail sale); Samsung - 95000 (online sale) & 56140 (retail sale); MI - 150000 (online sale) & 27250 (retail sale). If 1%, 1.2and 1.5% of Apple, Samsung, and MI phones sold online were returned back ,then the actual total phones sold by Apple, Samsung and MI are in

- A. 3 ratio 4 ratio 5
- B. 4 ratio 6 ratio 7
- C. 8 ratio 4 ratio 5
- D. 8 ratio 6 ratio 7

Q. The frequency of “ I ” in the word “ MISSISSIPPI” is \_\_\_\_\_

- A. 2
- B. 4
- C. 5
- D. 3

Q. Anshuman introduced Rakhi as the daughter of the mother of his only brother.

How is Anshuman's father related to Rakhi?

- A. Brother
- B. Father
- C. Father's brother
- D. Son

Q. The question given below consists of a question followed by two statements labelled as I and II. We have to decide whether these statements give enough information required to answer the question or not.

Question : 21 people are sitting in a row facing North. What is the position of A from the left?

Statement I : A is to the immediate right of B.

Statement II: B is sitting two positions left to the person sitting in the middle of the row.

- A. Both together are sufficient      B. Both together are insufficient
- C. II alone is sufficient while I alone is not sufficient
- D. I alone is sufficient while II alone is not sufficient

Q. Sixty per cent of a number 'X' is 30 per cent of another number 'Y'. Find the ratio of X : Y

A. 1:2

B. 3:4

C. 4:3

D. 2:3

Q. If 31st January, 2015 was a Friday, what was the day on 3rd March 2015?

- A. Friday
- B. Sunday
- C. Monday
- D. Tuesday

Q. Which two signs should be interchanged to make the below equation mathematically correct?  $16+34-81\times9/2=32$

- A. x and /
- B. / and –
- C. + and x
- D. + and -

Q. Eight friends, Pawan, Qazi, Ramesh, Suresh, Tanmay, Umesh, Vedant and Wasim are having dinner sitting around a round dining table. Wasim is to the immediate left of Pawan but he is not the neighbour of Tanmay or Suresh. Umesh is to the immediate right of Qazi and Vedant is the neighbour of Tanmay, Ramesh is between Tanmay and Umesh. What is the position of Suresh?

- A. Immediate right of Qazi
- B. Between Qazi and Pawan
- C. Opposite of Wasim
- D. Immediate left of Pawan

Q. Which two signs should be interchanged to make the below equation mathematically correct?  $4(8-15/5\times4+2\times2) = 64$

- A. -, /
- B. +, -
- C. +, ×
- D. ×, -

Q. In this question, five statements have been given followed by some conclusions. Assuming that all information in the statements are true, analyse the conclusions together and determine whether any of them logically and definitely follow(s) from the information given in the statements. [Select 2 options]

Statement I: Some problems are tricky.

Statement II: Some tricky are complicated.

Statement III: Some complicated are naughty.

Statement IV: No problem is easy.

Statement V: All tricky are solvable

- A. Some complicated are solvable. 
- B. Some complicated are problems 
- C. Some naughty are complicated. 
- D. All problems are solvable

Q. Complete the sequence 3 , 5, 9, 25, 81, 625, ?

- A. 3221
- B. 6165
- C. 3125
- D. 6561

Q. If  $V = 22$  and  $GIFT = 42$  then  $REVENOUS = ?$

- A. 89
- B. 97
- C. 115
- D. 119

Q. In the question below, two statements are given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements: All shirts are pant.

All pant are top

Some top are sticks.

Conclusions: I. Some sticks are pant.

II. Some top are shirt.

- A. Both conclusion I and II follow.
- B. Only conclusion II follows
- C. Only conclusion I follows
- D. Neither conclusion I nor II follow

Q. Which two signs should be interchanged to make the below equation mathematically correct?  $21+8/7-6\times 4 = 22$

- A. + and –
- B. / and +
- C. / and x
- D. x and +

There are 3 Red , 2 Orange, 1 white ball in a bag. A ball is drawn from the bag without looking in to it. The probability of getting a Red ball is \_\_\_\_\_

- A.  $\frac{1}{3}$
- B. 0
- C.  $\frac{1}{6}$
- D.  $\frac{1}{2}$

In the question below, three statements are given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements: Some cars are bikes, No bike is table, All tables are goats.

Conclusions: I. Some table are cars. II. Some goats are bikes

- A. Only conclusion I follows
- B. Both conclusion I and II follow.
- C. Only conclusion II follows.
- D. Neither conclusion I nor II follows

Q. The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer

Question : What is the ratio of savings of A and B?

Statement I: The income of A is 700 and expenditure is 600.

Statement II: The income B is 500

A. II alone is sufficient while I alone is not sufficient

B. I alone is sufficient while II alone is not sufficient

 C. Neither I nor II is sufficient

D. Either I or II is sufficient

Q. 22 out of 66 students like mathematics, so mathematics in the pie chart will be represented by

- A. 120 degree sector
- B. 180 degree sector
- C. 90 degree sector
- D. 60 degree sector

Q. A 154 meter long wire is used to form a circle. Find the radius of the circle formed.

- A. 24.23 m
- B. 20 m
- C. 24.5 m
- D. 26.2 m

Q. In this question, three statements have been given followed by two conclusions numbered I and II. Assuming that all information in the statements are true, analyse the two conclusions together and determine whether any of them logically and definitely follow(s) from the information given in the statements.

Statement I: Some calculators are boxes.

Statement II: All boxes are horses.

Statement III: All horses are dogs.

Conclusion I: Some Calculators are dogs.

Conclusion II: Some calculators are horses.

- A. Only I follows
- B. Neither I nor II follows
- C. Only II follows
- D. Both I and II follows

Q. If '+' means '/', '/' means '-', '-' means 'x', and 'x' means '+'. Which of the following will be the value of the expression?  $74 / 441 + 21 - 4 \times 16$

- A. 26
- B. 6
- C. -22
- D. 16

Direction: The question below consists of a question and two statements numbered I and II given. You have to decide whether the data provided in which of the statements are sufficient to answer the question. Choose your answer from the options based on this.

How is Bhuri related to Seema?

I. Sonali is the mother in law of Suraj, who is husband of only daughter of Sonali.

Bhuri is the sister of Sonali.

II. Ram is the son of Seema and Seema is wife of Suraj

- A. The data in both statements I and II together is necessary to answer the question.
- B. The data either in statement I alone or in statement II alone is sufficient to answer the question.
- C. The data in statement II alone is sufficient
- D. The data in statement I alone is sufficient

Q. In a locality 325 persons are government employees, 855 are private firm's employees and 120 persons are self employed. The percentage of persons who are not government employees is

- A. 0.75
- B. 0.35
- C. 0.25
- D. 0.5

Q. In the question, a statement is given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.

Statement: 7.5 percent of people die of cigarette smoking every year. Cigarette smoke contains nicotine which affects the brain.

Conclusion I: Cigarette is injurious to health.

A. Only I follows

Conclusion II: Cigarette smoking is banned in the country.

B. Only II follows

C. Both I and II follows

D. Neither I nor II follows

In this question, three statements have been given followed by two conclusions numbered I and II. Assuming that all information in the statements are true, analyse the two conclusions together and determine whether any of them logically and definitely follow(s) from the information given in the statements.

Statement I: Some elephants are fox.

Statement II: All goats are fox.

Statement III: All fox are hens.

Conclusion I: Some goats are elephants.

Conclusion II: Some hens are elephants.

- A. Only I follows
- B. Only II follows
- C. Both I and II follows
- D. Neither I nor II follows

Q. If each English alphabets are assigned a prime number such as A=2, B=3, C=5, D=7 .... and so on. Then the numbers 31,23,37,37 taken in order will represent the word

- A. KILI
- B. KLJI
- C. KILL
- D. KLIL

Q. Arrange the following words as per order in the dictionary. 1. Shadow 2. Shovel  
3. Showman 4. Shorthand 5. Shortlist

- A. 1,5,4,2,3
- B. 1,4,5,2,3
- C. 1,5,4,3,2
- D. 1,4,5,3,2

this question, three statements have been given followed by two conclusions numbered I and II. Assuming that all information in the statements are true, analyse the two conclusions together and determine whether any of them logically and definitely follow(s) from the information given in the statements.

Statement I: Some legs are hands.

Statement II: Some hands are kidneys.

Statement III: All kidneys are lungs.

Conclusion I: No kidneys are legs.

Conclusion II: Some hands are lungs.

- A. Only I follows
- B. Only II follows
- C. Both I and II follows
- D. Neither I nor II follows

Q. The number of mobile phones owned by 25 persons are listed as : 2, 1, 0, 3, 2, 1, 1, 1, 2, 2, 2, 0, 0, 3, 4, 1, 2, 2, 1, 1, 1, 0, 3, 4. Number of persons having at most 2 mobile phones is

- A. 10
- B. 13
- C. 18
- D. 20

Q. If the sum of 15 data points is 2100 and all the data is doubled and then 10 is subtracted from each of the data points then the new average will be greater than the old average by

- A. 110
- B. 120
- C. 100
- D. 130

Q. 9 boys met each other at a party. Each of them shakes hands only once with each other, the number of handshakes that took place in party is

- A. 72
- B. 36
- C. 28
- D. 56

Q. In the question given below, three statements are given followed by five conclusions A, B, C, D, and E. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given Conclusions can definitely be drawn from the given statements. Indicate your answer. (Choose two solutions)

Statements:

Some planets are stars.

Some stars are bright.

The earth is a planet.

Conclusions:

A. Some stars are planets.

B. The earth is a star.

C. Some bright is stars.

D. All planets are bright.

E. All stars are bright.

- A. Conclusion E follows
- B. Conclusion A follows.
- C. Conclusion D follows.
- D. Conclusion B follows
- E. Conclusion C follows.

Q. The table shows the production of electric bulbs (in lakhs) and percentage defect over the years in three factories A, B and C. Which factory has the average maximum production?

Years	A		B		C	
	Number of Bulbs (in lakhs)	% defect	Number of Bulbs (in lakhs)	% defect	Number of Bulbs (in lakhs)	% defect
2002	40	2	55	5	68	5
2003	84	5	48	8	56	6
2004	63	8	72	6	92	8
2005	74	12	88	8	60	3
2006	55	5	90	10	50	4

- A. All have same average
- B. Factory C
- C. Factory B
- D. Factory A

Q. The question consists of a statement/or a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements is sufficient to answer the question. Read statements and choose the most appropriate option.

Given, a and b are integers. What is the value of  $a-b$ ?

I.  $a^2+b^2=40$

II.  $a \cdot b=12$

- A. The data in both statements I and II together are sufficient to answer the question
- B. The data in statement alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question
- C. The data in statement alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question
- D. The data either in statement I alone or in statement II alone is sufficient to answer the question.

Q. The following question has three statements. Study the question and the statements and decide which of the statement (s) is/are necessary to answer the question. A, B, D and E are partners in a partnership firm. In what ratio the profit will be shared between A, B, D and E?

- 1) D's and E's share in the profit is in the ratio 3:5
  - II) A's and B's share in the profit is in the ratio 1:2
  - III) A's share is double of E's share of the profit.
- A. Only statement I alone is sufficient to answer the question
- B. Statements I and III are sufficient to answer the question
- C. All the statements are required
- D. Statements II and III are sufficient to answer the question

Q. In this question, a statement has been given, followed by two courses of action numbered I and II. Assuming that everything in the statement is true, determine which of the suggested courses of action is/are pursuing

**Statement:**

It is reported as morning walk has many health benefits. It can lower heart rate, ease anxiety, and relieve stress.

**Course of Action:**

- I. All the pharma companies should be closed.
- II. People should be encouraged to take a morning walk every day

- A. Only II follows
- B. Only I follows
- C. Neither I nor II follows
- D. Both I and II follow

Q. In this question, a statement has been given, followed by two assumptions numbered I and II. Analyze the two assumptions together and determine which of them is/are implicit in the statement.

Statement:

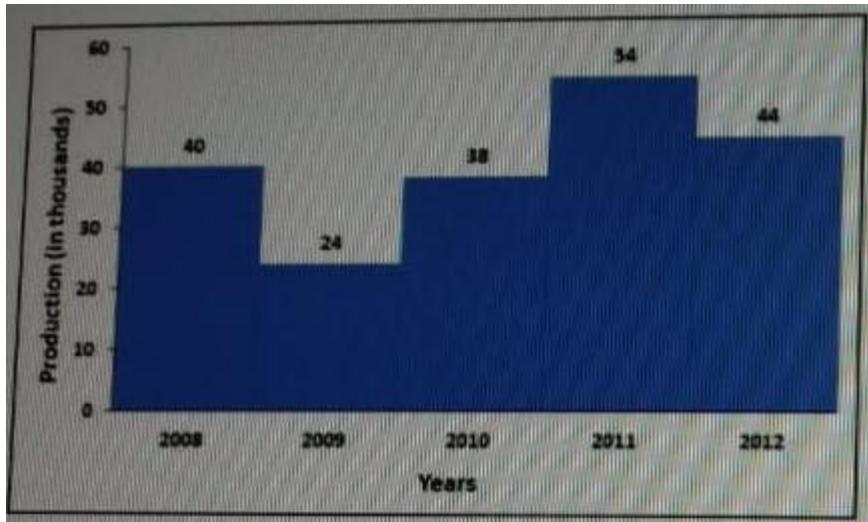
The divorce rate is continuously increasing because more and more people prefer to have their own identity.

Assumptions:

- I. People who are married don't like the people who are unmarried.
- II. When one is married, he/she loses his/her own identity.

- A. Only I is implicit.
- B. Neither I nor II is implicit.
- C. Only II is implicit.
- D. Both I and II are implicit.

Q. The graph shows the production of motor parts (in thousands) over the year. What was the percent decline in the production from 2008 to 2009?



- A. 54 percent
- B. 24 percent
- C. 38 percent
- D. 40 percent

Q. The question consists of a statement/or a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements is sufficient to answer the question. Read both statements and choose the most appropriate option.

In a class of 35 students, how many students have got ranks between Q and R?

Statement I: P got 2nd rank from the top and Q got 5th rank from the bottom. Only 3 people have got ranks between R and S.

Statement II: P is second from the top in the class. 2 people have ranks between P and R. Q has got 5th rank from the bottom

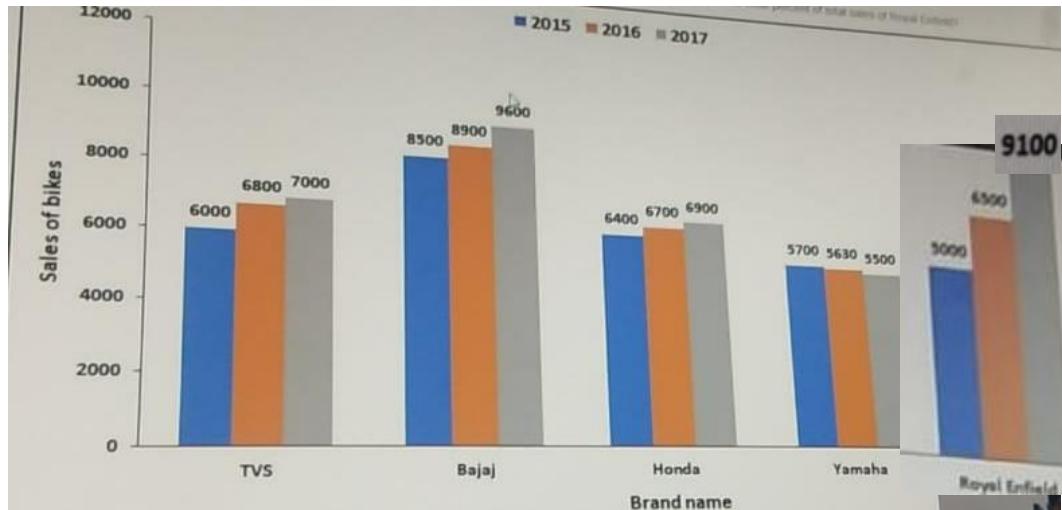
A. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question

B. The data either in statement I alone or in statement II alone is sufficient to answer the question.

C. The data in statement alone is sufficient to answer the question while the data in statement if alone is not sufficient to answer the question.

D. The data in both statements I and II together is necessary to answer the question

Q. The bar graph shows the number of sales of bikes of different brands from 2015 to 2017. The average sales of Yamaha is what percent of total sales of Royal Enfield?



- ✓ A. 27.23 percent  
B. 16.15 percent  
C. 17.23 percent  
D. 26.18 percent

Q. In this question, a statement has been given, followed by two assumptions numbered I and II. Analyze the two assumptions together and determine which of them

Statement:

When it rains, Sophia never goes out but now she has gone out.

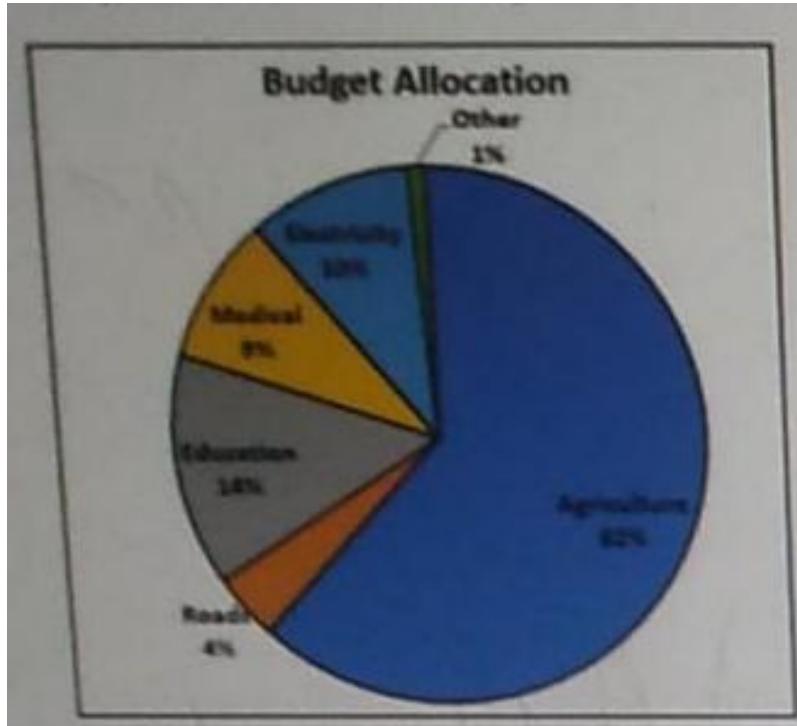
Assumptions:

- I. Now, it is not raining.
- II. Sophia is not an ombrophobic.

(Note: ombrophobia means fear of rain.)

- A. Only II is implicit
- B. Neither I nor II is implicit
- C. Only I is implicit
- D. Both and I are implicit

Q. The pie-chart shows the budget allocation of a state. If the total budget was Rs. 2000 crores, then how much amount was spent on education and medical expenses?



- A. 1240 crores
- B. 200 crores
- C. 280 crores
- D. 460 crores

Q. A, B, C, D, E, F, G, and H are employees of a company. The table shows the average age of two employees of the company. The average age of Employees

Employees	E	F	G	H
A		39		28
B	38.5		43	
C	43			37
D		44.5		

- A. 25 years
- B. 30.5 years
- C. 43 years
- D. 61 years

Q. The question consists of a statement/or a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements is sufficient to answer the question. Read both statements and choose the most appropriate option.

Find the gain percent for the dealer?

Statement I: Weight used while selling were 24% less than the actual weight

Statement II: Profit was made on selling the rice and that was 20% more than its cost price

A. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question

B. The data in statement II alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question

C. The data either in statement I alone in statement it alone is sufficient to answer the question

D. The data in both statements I and II together is necessary to answer the question

Q. In the following question, a given question is followed by information in three statements. You have to find out the data in which statement(s) is sufficient to answer the question and mark accordingly.

In a code language, how is the word 'poor' coded?

I. In a code language 'wasting time is not good' is coded as 'so po no ro to' and 'good habit is not easy' is coded as 'no po ko to zo'

II. In a code language 'hygiene is easy habit' is coded as 'ko zo no yo' and 'time is easy hygiene' is coded as 'no zo ya ro'

III. In a code language, 'poor hygiene not easy' is coded as 'qo po yo zo'.

A. The data in statement I alone is sufficient to answer the question.

B. The data in statement II alone is sufficient to answer the question.

C.  The data in statement III alone is sufficient to answer the question

D. All the statements are required

Q. The question consists of a statement/or a question and two statements numbered I and II given below it. You have to decide whether the data given in question. Read both statements and choose the most appropriate option.

What is the amount of the principal?

- I. The rate increased by 0.5% every year initially it being 6%
- II. The compound interest was Rs 637 7 after the span of 3 years

- A. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question
- B. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question
- C. The data either in statement I alone or in statement II alone is sufficient to answer the question
- D. The data in both statements I and II together is necessary to answer the question

Q. The question consists of a statement/or a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements is sufficient to answer the question. Read both statements and choose the most appropriate option.

In a class of 35 students, how many students have got ranks between Q and R?

Statement I: P got 2nd rank from the top and Q got 5th rank from the bottom. Only 3 people have got ranks between R and S

Statement II: P is second from the top in the class. 2 people have ranks between P and R. Q has got 5th rank from the bottom

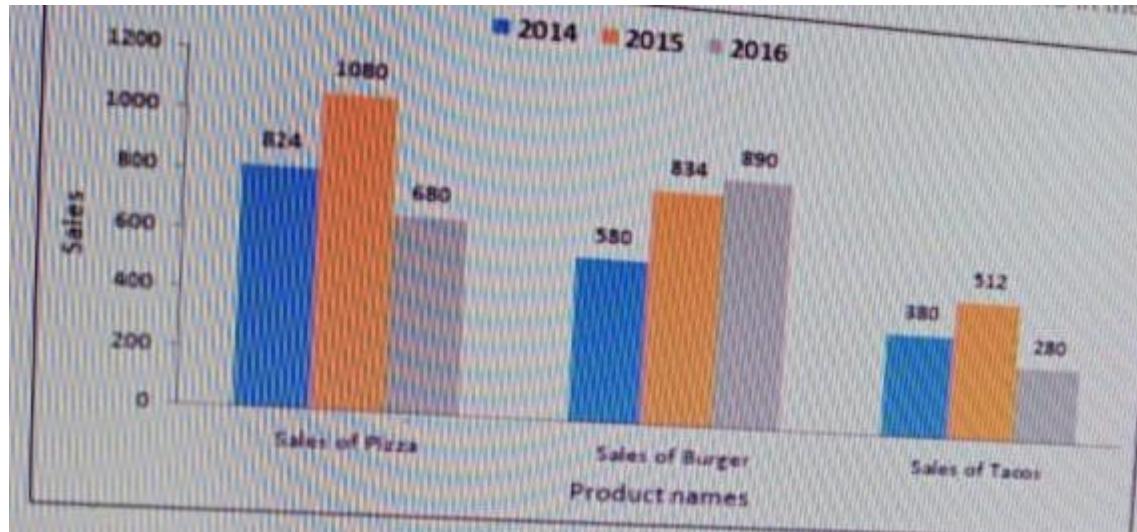
- A. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question
- B. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question
- C. The data either in statement I alone or in statement II alone is sufficient to answer the question.
- D. The data in both statements I and II together is necessary to answer the question

Q. On day 3, in hotel X 60 percent of female customers and 40% of male customers are from City A. What was the number of customers in Hotel X from city A on day 3?

Days	Hotel X		Hotel Y	
	Number of customers	Female customers (%)	Number of customers	Female customers (%)
Day 1	150	60	220	40
Day 2	210	35	480	25
Day 3	300	40	560	65
Day 4	450	55	380	35

- A. 60
- B. 88
- C. 90
- D. 144

Q. The graph below shows the sales of three types of food in a fast food store in the years 2014, 2015 and 2016. The total sales of pizza is approximately what percent of total sales of burgers?



- A. 98 percent
- B. 112 percent
- C. 84 percent
- D. 102 percent

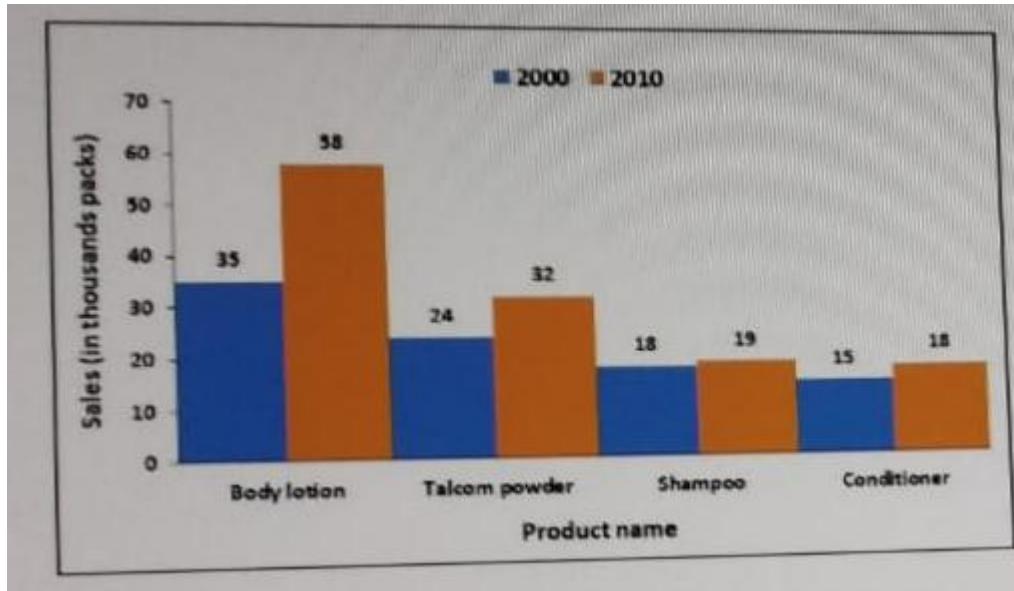
Q. The given table represents the expenditure of company XYZ (in millions) per annum over the years 2000-2004.

What is the ratio between the total expenditure on Taxes for all the years and the total expenditure on Fuel and Transport for all the years respectively approximately equal to?

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on loans	Taxes
2000	300	98	3	23.4	67
2001	280	90	2.2	22.3	89
2002	600	88	3.25	24.5	98
2003	320	97	4	23.3	76
2004	400	92	3.4	21.5	88

- A. 209:232
- B. 418:560
- C. 209:418
- D. 232:418

Q. A company provides four beauty products. The graph shows the sales of these four beauty products in the year 2000 and 2010. The sales of which product increased by 20 percent from 2000 to 2010?



- A. Body lotion
- B. Talcum powder
- C. Shampoo
- D. Conditioner

Q. In this question, a statement has been given, followed by two assumptions numbered I and II. Analyze the two assumptions together and determine which of them is/are implicit in the statement  
Statement

The values of a wealthy person differ from that of a poor person

Assumptions:

- I. Wealth influences the values of a person
- II. A poor person does not have any values.

- A. Only I is implicit
- B. Only II is implicit
- C. Both I and II are implicit
- D. Neither I nor II is implicit

Q. In the question given below, two statements are given followed by five conclusions A, B, C, D, and E. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given Conclusions can definitely be drawn from the given statements. Indicate your answer.  
(Choose two solutions)

Statements:

All girls are women.

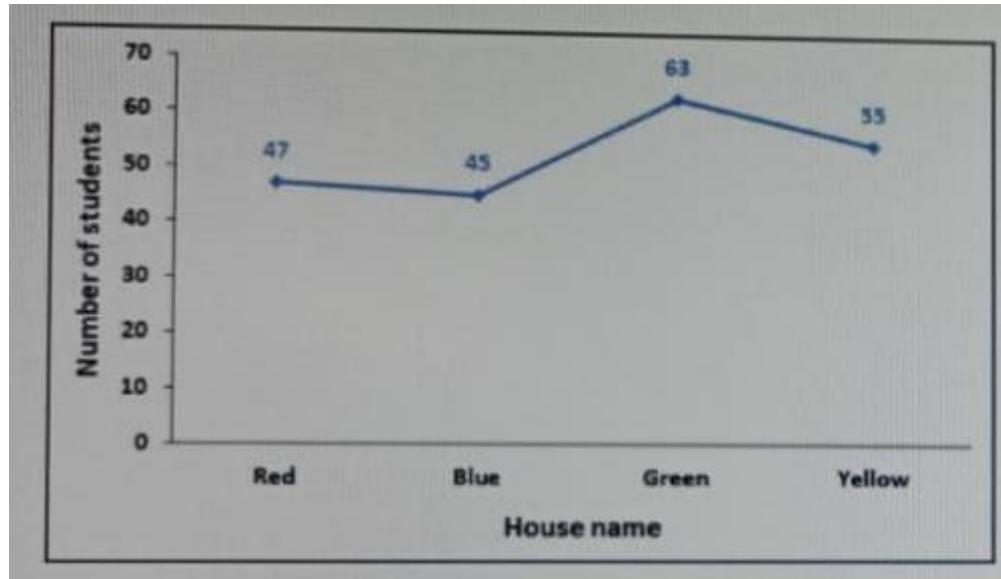
All women are ladies.

Conclusions:

- A. Some women are not girls is a possibility.
- B. All girls are ladies.
- C. Some girls are not ladies.
- D. No girl is a woman.
- E. All ladies are girls.

- A. Conclusion D follows.
- B. Conclusion C follows.
- C. Conclusion E follows.
- Conclusion B follows.
- E. Conclusion A follows.

Q. A school has four houses- Red, Blue, Green and Yellow house. A student is randomly chosen to carry the school flag on the Annual Day. What is the probability that this student will be from the Green House?



- A.  $4/21$
- B.  $3/10$
- C.  $3/7$
- D.  $9/11$

Q. In this question, two statements have been given labelled as Assertion (A) and Reason (R)  
Analyze both the statements explains the assertion

Assertion (A)

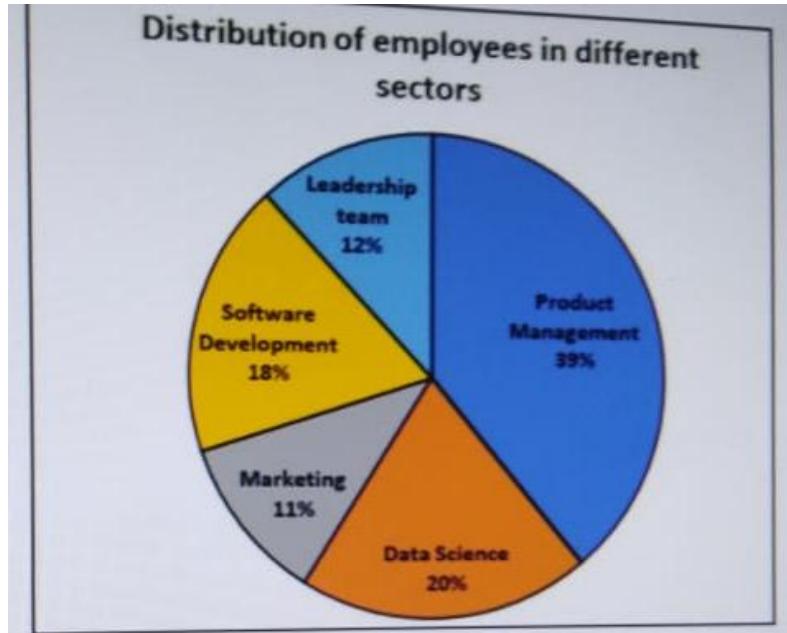
Water makes up more than half of our body weight and a person can't survive for more than a few days without it.

Reason (R)

About 70% of the surface of our planet Earth is covered in water

- A. A is true but R is false
- B. Both A and R are true but R is not the correct explanation of A
- C. A is false but R is true
- D. Both A and R are true and R is not the correct explanation of A

Q. The pie-chart shows the distribution of employees in different sectors in a company. The total number of employees in Data science and Software development together is approximately what percent more than the total number of employees in Leadership?



- A. 217 percent
- B. 117 percent
- C. 317 percent
- D. 400 percent

Q. The question consists of a statement/or a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements is sufficient to answer the question. Read both statements and choose the most appropriate option.

What is the area of the circle?

I. The circumference of the required circle is  $8\pi$

II. The arc of length n subtends an angle of 45 degrees on the required circle.

 A. The data in statement alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question.

B. The data in both statements I and II together is necessary to answer the question

C. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question

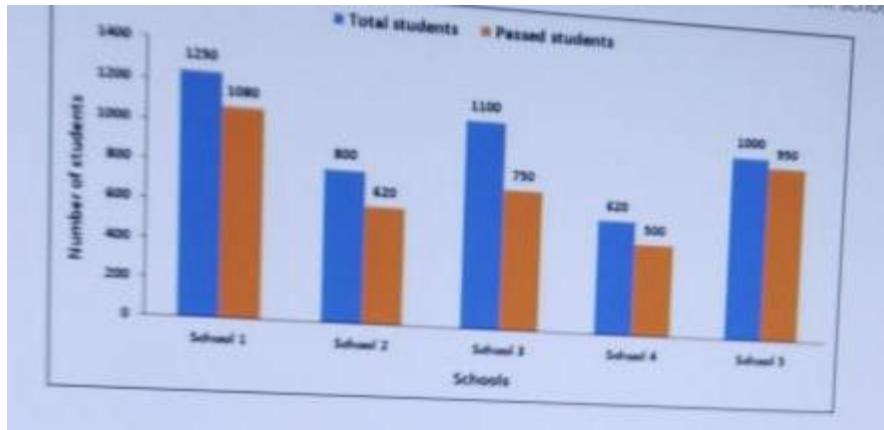
D. The data either in statement I alone or in statement II alone is sufficient to answer the question.

Q. The following question has three statements. Study the question and the statements and decide which of the statement(s) is necessary to answer the question.

In a family, there are 5 members, Andy, Varun, Naman, Amir and Katty. Find the present age of Katty

- I. The average age of five family members is 42 years.
  - II. The total age of Andy, Varun and Naman is 96 years.
  - III. The present age of Katty is 14 years more than the age of Amir.
- 
- A. Only statement II alone is sufficient to answer the question
  - B. Only statement I alone is sufficient to answer the question
  - C. Only statement II and III are sufficient to answer the question
  - D. All the statements are required

Q. The graph shows the total number of students and passed students from different schools. What is the total number of students who failed from all the schools?



- A. 750
- B. 500
- C. 870
- D. 960

Q. The question consists of a statement/or a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements is sufficient to answer the question. Read both statements and choose the most appropriate option.

E, F, G, H, I and J are six points in a linear arrangement, not necessarily in the same order. Their positions are numbered from 1 to 6 such that the first position is number 1 and the last is number 6. Which point is at the sixth position?

- I. J is five places after E, which is at the first position.
- II. J is three places after F, which is at the third position.

A. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question

B. The data in both statements I and II together is necessary to answer the question

C. The data either in statement I alone or in statement II alone is sufficient to answer the question

D. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question

Q. In the question given below, a statement is given followed by five conclusions A, B, C, D, and E. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given conclusions can definitely be drawn from the given statement  
(Choose two solutions)

Statement

Knowledge grows by reading and it increases by sharing with others.

Conclusions:

- A. Sharing of our knowledge helps us increase it.
  - B. By reading and sharing knowledge, one can become a knowledgeable.
  - C. One should never share one's knowledge.
  - D. One should never ask money for teaching.
  - E. Selfish people don't know anything.
- 
- A. Conclusion E follows.
  - B. Conclusion B follows.
  - C. Conclusion C follows.
  - D. Conclusion D follows
  - E. Conclusion A follows

Q. The question consists of a statement/or a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements is question Read both statements and choose the most appropriate option

Find the overall profit percent of the shopkeeper

Statement I: The profit made while selling 1 kg of sugar was 16% But he uses false weight

Statement II: Weight used was 31% less than the actual 1 kg weight of the sugar

- A. The data in both statements I and II together is necessary to answer the question
- B. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question
- C. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question
- D. The data either in statement I alone or in statement II alone is sufficient to answer the question

Q. The question consists of a statement/or a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements is sufficient to answer the question. Read both statements and choose the most appropriate option.

Seven persons M, N, O, P, Q, R and S are seated in a linear row not necessarily in the same order where P sits at left and Q sits at right end.

Who among the following is sitting in the middle?

Statements:

I. S sits between R and Q

II. O sits between N and P and N do not sit in the middle, who is second to the left of R. Person who sits between N and R is M.

A. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question.

B. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question.

C. The data either in statement I alone or in statement II alone is sufficient to answer the question.

D. The data in both statements I and II together is necessary to answer the question

Q. The question consists of a statement/or a question and two statements numbered and given below it. You have to decide whether question Read both statements and choose the most appropriate option  
The total simple interest obtained from two deposits is Rs. 1,040. After how many years was this amount obtained?

- I. The difference between the rate of interest is 2.5% and the total amount of sum is Rs 5,000
  - II. The sum of amount of Rs. 2,600 was having rate of interest of 4% and sum of amount of 2400 was having rate of interest of 6.5%
- 
- A. The data either in statement I alone or in statement alone is sufficient to answer the question
  - B. The data in both statements I and II together is necessary to answer the question
  - C. The data in statement II alone is sufficient to answer the question while the data in statement one is not sufficient to answer the question.
  - D. The data in statement I alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question

Q. In the question given below, three statements are given followed by five conclusions A, B, C, D, and E. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given Conclusions can definitely be drawn from the given statements. Indicate your answer. (Choose two solutions)

Statements:

All toys are plastic.

No toy is a paper

Some papers are useful

Conclusions:

A. Some useful is toy

B. Some plastic is useful.

C. Some useful is paper.

D. Some plastic is toy

E. All toys are useful.

- A. Conclusion A follows
- B. Conclusion B follows
- C. Conclusion C follows
- D. Conclusion D follows.
- E. Conclusion E follows.

Q. Statement: In my college, all first-year students are cricket fans but all second-year students are football fans. (choose two solutions)

Conclusions:

- A. I am cricket fan.
- B. In my college, many students are cricket fans.
- C. In my college, many students are football fans.
- D. In my college, no one plays tennis.
- E. In my college, all third-year students are tennis fans.

- A. Conclusion C follows.
- B. Conclusion B follows.
- C. Conclusion A follows.
- D. Conclusion D follows.
- E. Conclusion E follows.

In the question given below, a statement is given followed by five conclusions A, B, C, D, and E. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given conclusions can definitely be drawn from the given statement.  
Select all such possible conclusions. (Choose two solutions)

Statement:

Electric vehicles are becoming popular because more and more people are thinking about environmental impact.

Conclusions:

- A. People are becoming more environmentally conscious.
- B. Popularity of electric vehicles is increasing day by day.
- C. Electric vehicles are very expensive.
- D. Government is providing subsidy on the purchase of electric vehicle.
- E. We do not care about our environment.

- A. Conclusion C follows
- B. Conclusion D follows.
- C. Conclusion E follows.
- D. Conclusion 8 follows.
- E. Conclusion A follows.

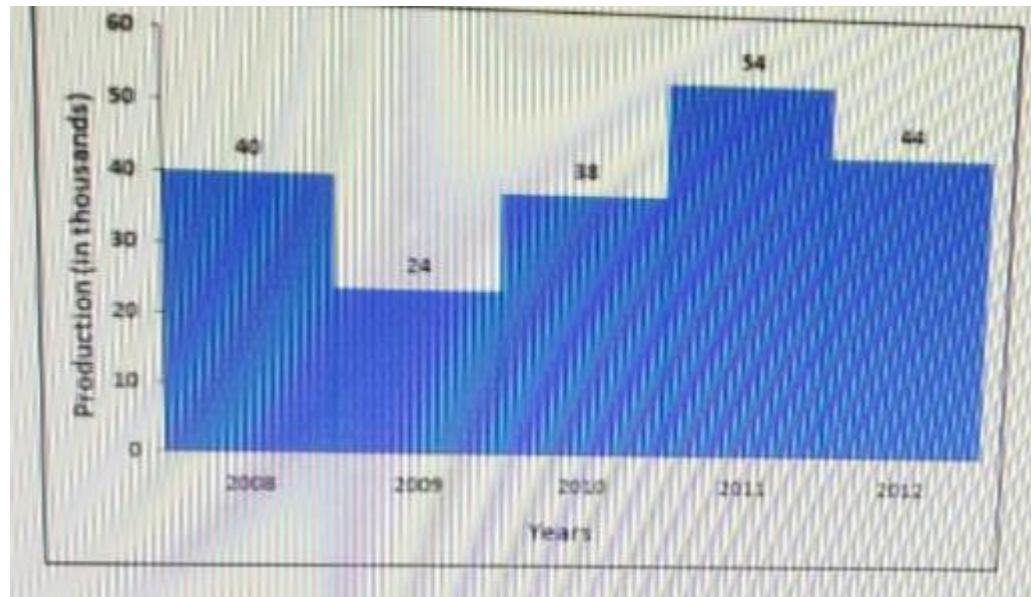
Q. The question consists of a statement/or a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements is sufficient to answer the question. Read both statements and choose the most appropriate option.

What is the code for whirl in the code language?

- I. In the code language 'whirl is she' is written as 'ka ma te' and 'she is humorous' is written as 'te ka ro'.
- II. In the code language 'whirl are you stupid' is written as 'la ma pa je' and 'whirl is the girl' is written as 'ch fa ma te'

- A. The data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question
- B. The data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question.
- C. The data either in statement I alone or in statement II alone is sufficient to answer the question.
- D. The data in both statements I and II together is necessary to answer the question

Q. The graph shows the production of motor parts (in thousands over the year. What was the percent decline in the production from 2008 to 2009?



- A. 40 Percent  
B. 24 Percent  
C. 38 Percent  
D. 54 Percent

Q. In this question, two statements have been given labelled as Assertion (A) and Reason (R). Analyze both the statements and determine whether they are correct and whether the reason correctly explains the assertion.

**Assertion (A)**

When mercury is used in thermometers, the slightest change in temperature is notable.

**Reason (R)**

Mercury is in solid state at room temperature.

 A. A is true but R is false

B. Both A and R are true but R is not the correct explanation of A.

C. Both A and R are true and R is the correct explanation of A

D. A is false but R is true

Q. In the question given below, a statement is given followed by five conclusions A, B, C, D, and E. You have to consider the statement to be true, even if it seems to be at variance from commonly Known facts. You are to decide which of the given conclusions can definitely be drawn from the given statement.(Choose two solutions).

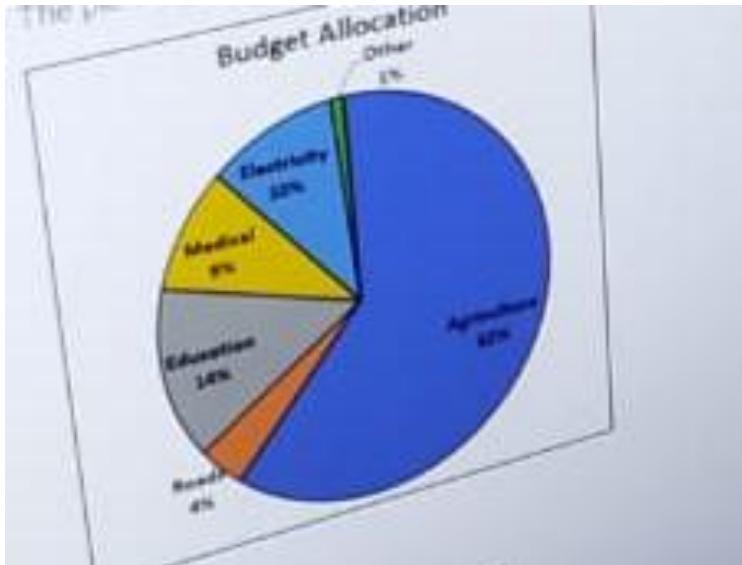
#### Statement

The best performer in Olympics fetches a gold medal. Marcel Hirscher fetched a gold medal in the 2018 Winter Olympics.

#### Conclusions

- A. Marcel Hirscher was the best performer in the 2018 Winter Olympics
  - B. The worst performer in Olympics fetches a silver medal
  - C. Good performers in Olympics don't fetches a gold medal.
  - D. The 2018 Winter Olympics was held in Pyeongchang County, South Korea.
  - E. Olympics games are held every four year
- 
- A. Conclusion E follows
  - B. Conclusion follows.
  - C. Conclusion follows.
  - D. Conclusion A follows.
  - E. Conclusion B follows.

Q. The pie-chart shows the budget allocation of a state if the total budget was Rs. 2000 crores, then how much amount was spent on education and medical expenses?



- A. 200 crores
- B. 200 crores
- C. 1240 crores
- D. 460 crores

Q. The company has issued ten lakh shares between its five partners and it Ben offers to sell 40000 of his shares to Jeremy, then Jeremy will have how many shares?

Partners	Present share (in %)
Lily	35
Alex	5
Ben	25
Jeremy	15
Bruno	20

- A. 190000
- B. 140000
- C. 350000
- D. 125000

Q. The given table represents the expenditure of company XYZ (in millions) per annum over the years 2000-2004. What is the ratio between the total expenditure on Taxes for all the years and the total expenditure on Fuel and Transport for all the years respectively

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on loans	Taxes
2000	300	98	3	23.4	67
2001	280	90	2.2	22.3	89
2002	600	88	3.25	24.5	98
2003	320	97	4	23.3	76
2004	400	92	3.4	21.5	88

- A. 209:232  
 B. 418:560  
 C. 209:418  
 D. 232:418

Q. A plane flies five different routes from America to Brazil. From Brazil to China it knows six different routes and from China to Denmark it knows three different routes. How many routes does it know from America to Denmark?

- A. 90
- B. 45
- C. 15
- D. 20

Find the missing term in the following letter series: EI, DJ, CK, BL, ?

- A. AN
- B. AM
- C. AK
- D. BJ

Q. Find the missing number in the following number series.

127, 119, \_\_\_, 71, 7

- A. 103
- B. 95
- C. 113
- D. 107

Q. Find the missing letters in the following series:

c\_b\_b\_c\_ba\_c

- A. aacab
- B. bcaaa
- C. aabca
- D. acacb

Q. A group of 294 students consists of boys and girls. For every 6 girls there is one boy. How many boys are there in the group?

- A. 49
- B. 47
- C. 42
- D. 45

Q. Find the missing number in the following number series

3, 12, \_\_\_, 192, 768

- A. 36
- B. 64
- C. 48
- D. 54

Q. Select the option that is related to the third number on the same basis as the second number is related to the first number  $2.35: 0.0235:: 5.69: ?$

- A. 0.00569
- B. 56.9
- C. 0.569
- D. 0.0569

Q. Which two signs should be interchanged to make  
 $416 * 16 - 10 / 2 + 10 = 16$ .

- A. -, \*
- B. +, \*
- C. \*, /
- D. +, -

Q. Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

- A. 83
- B. 43
- C. 27
- D. 67