



THINK BIGGER

INFOSYS

DATA SUFFICIENCY

2023 BATCH



INNATE TALENT

TRANSFORMING FUTURE

INFOSYS - PATTERN

2

SECTIONS NO	SECTION NAME	NO OF QUESTIONS	DURATION
I	REASONING ABILITY	15	25
II	MATHEMATICAL ABILITY	10	35
III	VERBAL ABILITY	20	20
IV	PSEUDOCODE	5	10
V	PUZZLE SOLVING [NUMERICAL PUZZLES]	4	10

Note:

1. Previously answered questions cannot be revisited.
2. Next Question can't be accessed until the current question is answered/skipped.
3. No negative marking



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. your answer from the options based on this.

There are seven friends P, Q, R, S, T, U, and V sitting in a row. All are facing towards the north direction. Who sits at the immediate right of P?

Statement I: There are two persons sitting between P and V. Either P or V sits at the extreme end. There is only one person between T and R. Q sits third to the right of p

Statement II: S is the immediate right of T. More than one people sit between P and Q. Only one person sits between S and P. P sits in the middle of the row.

- (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



There is a family of seven members. How Y is related to X?

Statement I: V is the daughter of U who is the son in law of Z. M is the mother of X. Y is the brother of Z

Statement II: Z is father of W who is the sister of X. M is the sister-in-law of Y who is the brother of Z

- (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



How is “see” written in the code language ?

Statement I: hope to see you' is written as '3692', 'do you see that' is written as '1973'.

Statement II: "to pray and hope' is written as '0286' and 'hope I do well' is written as '5467“

(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



Who is married to Abhi?

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Statement I : Shilpa is daughter-in-law of Priya, Aman is brother of Prema

Statement II : Prema is daughter of Priya, Abhi is father of Aman.

- (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



What can be the code of “Blackboards”?

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Statement I : In the code language, 'all laptops are heavy is coded as 'xt mo dz gv

Statement II : In the code language, Blackboards are heavy is coded as 'mo bx gv

- (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



In which year Jitin was born ?

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Statement I : Jitin at present is 20 years younger to his father

Statement II : Jitin's sister, who was born in 1995, is 25 years younger to her father.

- (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



Find the present age of Ram?

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Statement I : Ram's brother is 8 years younger to Ram.

Statement II : The ratio of the present age of Ram his brother is 3:2

- (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.



Who lives in the second floor ?

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Statement I : There are 4 floors in a building where the ground floor is numbered as 1. Anu is at a gap of two floors from Akshay, who S on the bottom floor

Statement II : Arun is adjacent to Aman, who lives just above Akshay

- (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.



There are seven friends P, Q, R, S, T, U, and V sitting in a row. All are facing towards the n north direction. Who sits at the immediate right of P?

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Statement I : There are two persons sitting between P and V. Either P or V sits at the extreme end. There is only one person between T and R. Q sits third to the right of P

Statement II : S is the immediate right of T. More than people sit between P and Q. Only one person sits between S and P. P sits in s in the middle of the row.

- (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.



There is a family of seven members. How Y is related to X?

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Statement II : V is the daughter of U who is the son in law of Z. M is the mother of X. Y is the brother of Z

Statement II : Z is father of W who is the sister of X. M is the sister-in-law of Y who is the brother of Z

- (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.



Five persons A, Z, C, W, and E are sitting in a row. All are facing the north. Who is sitting in the middle? 13

Statement I : Z is between E and C and is to the right of E.

Statement II : W is between A and E and is to the right of A.

- (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.



A car traveled from city A to city B in a day without taking any stops. If car travels for 12 hours, then find the speed of car

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Statement I : If it had run 30 km/hr faster it could have reached in 8 hours.

Statement II : Distance between A to B is 720 km

- (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 alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question
- (d) The data in statement alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question



Eight members-A, B, C, D, E, F, G and H are sitting around a circular table some are facing the center and some are facing outwards and they all have different ranks from 1 to 8. How many people face outwards?

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Statement I : F who is facing inwards is opposite to E who faces similar as F, and has A and C to his immediate right and left respectively and one faces inwards other faces outwards

Statement II: All the people facing outwards are ranked better than 4

- (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 alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question
- (d) The data in statement alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question



Which box is second from the bottom?

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Statement I : There are three boxes between the blue and red box. Green box is in the middle of the box blue and red.

Statement II : There are total six box. Green is fourth from the top. Blue box is between the green and Red, who is not the bottom. Two boxes are between red and yellow box.

- (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 alone is sufficient to answer the question tale the para in statement alone is not sufficient to answer the question
- (d) The data in statement alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question



What is Aditya's rank from the top in the class of 45 students?

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Statement I : Aditya is five ranks below Ravi who is 15th from the bottom.

Statement II : Mayank is 30th from the top and Vijay is 5th from the bottom.

Statement III : Aditya is exactly in the middle of Mayank & Vijay.

- (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 alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question
- (d) The data in statement alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question



Who among K, J, L, M, N and O is the third heaviest?

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Statement I : L and J is heavier than M but lighter than K.

Statement II : M is immediately heavier than L, which is also immediately heavier than N. O is the heaviest.

- (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 alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question
- (d) The data in statement alone is sufficient to answer the question while the data in statement alone is not sufficient to answer the question



The following questions, there are three statements I,II and III. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

Find the cost of painting of the four walls of of the room.

Statement-I The perimeter of the floor of the room which is rectangular in shape is 56cm.

Statement-II Cost of painting one of the largest wall of the room is Rs. 850.

Statement-III The area of the four walls of the room is 45sq.cm more than the area of the roof of the room.

- (a) Statement I and II are sufficient to answer the question.
- (b) None of the statement is sufficient to answer the question.
- (c) Only Statement II alone is sufficient to answer the question.
- (d) Statement II and III are sufficient to answer the question.



The following questions, there are two statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the capacity of the tank?

Statement-I The tank is cylindrical in shape and has area of base 62300 sq.cm.

Statement-II Height of the tank is 1.6 times the radius

- (a) Both Statements I and II are necessary to answer the question.
- (b) Either of the statement is sufficient to answer the question.
- (c) Only Statement II alone is sufficient to answer the question.
- (d) Only Statement I alone is sufficient to answer the question.



The following questions, there are three statements I, II and III. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the circumference of semi-circle in cm?

Statement-I The area of semi-circle is half of the area of rectangle.

Statement-II Length of rectangle is 1.5 times the radius of semi-circle

Statement-III difference between the length and breadth of rectangle is 8 cm.

- (a) Statement II and III are sufficient to answer the question.
- (b) All statements are required.
- (c) Only Statement I alone is sufficient to answer the question.
- (d) Statement I and III are sufficient to answer the question.



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the area of the square?

Statement-I Diagonal of the same square is D units.

Statement-II One side of square is A units.

- (a) Both Statements I and II are necessary to answer the question.
- (b) Either of the statement is sufficient to answer the question.
- (c) Only Statement II alone is sufficient to answer the question.
- (d) Only Statement I alone is sufficient to answer the question.



The following questions, there are three statements I and II. . Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

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The circumference of circle Y is twice the circumference of circle X. What is the area of circle X?

Statement I. The area of circle Y is 100π

Statement II. The circumference of circle Y is 20π

- A. The question cannot be answered with the help of information provided
- B. The question can be answered with the help of any one statement but not both
- C. The question can be answered with the help of both the statements together
- D. The question can be answered with the help of either of the statements



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the area of the right angle triangle?

Statement-I Height of the triangle is three fourth of the base.

Statement-II Hypotenuse of the triangle is 5 metres.

- (a) Both Statements I and II are necessary to answer the question.
- (b) Either of the statement is sufficient to answer the question.
- (c) Only Statement II alone is sufficient to answer the question.
- (d) Only Statement I alone is sufficient to answer the question.



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

If H is the mother of J. How is J related to V?

Statement-I V is the only daughter of H

Statement-II V is sister of J

- (a) Both Statements I and II are necessary to answer the question.
- (b) Either of the statement is sufficient to answer the question.
- (c) Only Statement II alone is sufficient to answer the question.
- (d) Only Statement I alone is sufficient to answer the question.



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

Who is paternal uncle of A?

Statement-I A is brother of V, who is daughter of Q, who is sister of P, who is brother of S.

Statement-II M is brother of K, who is husband of V, Who is mother of G, who is sister of A.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

How many children does Maria have?

Statement-I Suzie is only daughter of John who is husband of maria.

Statement-II Tom and sam are brothers of maria

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

Is A is mother of B?

Statement-I B is son of A

Statement-II A is only daughter In law of D, whose grandson is B.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the relation between virat and Karishma?

Statement-I Virat father is married to rahul's sister who has only son.

Statement-II Karishma is the only daughter of rahul's parents.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

Aman, Raunak and Bhavanesh started a business investing in the ratio of 4:5:3 respectively for a duration of 5 years. Find the amount earned by aman as profit

Statement-I Total amount invested in the business is Rs. 80,000.

Statement-II Average amount of profit earned every year is Rs.2400.

- (a) Both Statements I and II are necessary to answer the question.
- (b) Either of the statement is sufficient to answer the question.
- (c) Only Statement II alone is sufficient to answer the question.
- (d) Only Statement I alone is sufficient to answer the question.



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the two digit number in which unit's place is greater than digit at ten's digit?

Statement-I difference between the two digits of the number is 2

Statement-II The sum of two digits of the number is 8

- (a) Both Statements I and II are necessary to answer the question.
- (b) Either of the statement is sufficient to answer the question.
- (c) Only Statement II alone is sufficient to answer the question.
- (d) Only Statement I alone is sufficient to answer the question.



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

How much money do vivek and suman have together?

Statement-I Suman has 20 rupees less than that tarun has.

Statement-II Vivek has 30 rupees more than that tarun has.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the value of Y?

Statement I. $Y^2 - 25 = 0$

Statement II. $Y < 6$

- A. The question can be answered with the help of any one statement but not both
- B. The question cannot be answered with the help of information provided
- C. The question can be answered with the help of both the statements together
- D. The question can be answered with the help of either of the statements



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

In which year Ruhi was born?

Statement-I Ruhi at present is 30 years younger to his father.

Statement-II Ruhi's brother, who was born in 1990 is 38 years younger to his father.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

A sum invested at R percent per annum Simple interest. Find R.

Statement I. The sum tripled itself in 16 years.

Statement II. The sum yielded an interest of Rs. 750 in the first 6 years.

- A. The question cannot be answered with the help of information provided
- B. The question can be answered with the help of either of the statements
- C. The question can be answered with the help of both the statements together
- D. The question can be answered with the help of any one statement but not both



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the cost of each pen?

Statement I. 4 pens and 5 pencils together cost Rs24

Statement II. If the cost of each pen is reduced by 50 percent then 16 pens and 10 pencils will together cost Rs. 50

- A. The question can be answered with the help of either of the statements
- B. The question cannot be answered with the help of information provided
- C. The question can be answered with the help of both the statements together
- D. The question can be answered with the help of any one statement but not both



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the value of number x?

Statement-I Each of the numbers 2,4 and 6 is a factors of x.

Statement-II Each of the numbers 3,4 and 8 is a factor of x.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is bharat's rank in class of 44 students?

Statement-I Komal whose rank is 17 in the class, ahead of paresh by 6 ranks, paresh being ahead of bharat by 6 ranks

Statement-II Suman is 26 rank ahead of bharat, pritish is 6 rank behind bharat while savitha stand exactly in the middle of suman and pritish in rank her rank being 17.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

How many doctors are practicing in this town?

Statement-I There is one doctor per seven hundred residents

Statement-II There are 16 wards in the town with each ward having as many doctors as the number of wards.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

How many children's are there in the row of children facing north?

Statement-I Vishaka who is fifth from the left end is eighth to the left of ashish who is twelfth from the right end.

Statement-II Rohit is fifth to the left of nisha, who is seventh from the right end and eighteenth from the left end.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

Among four students ram, shyam, hari and pankaj , who is the heaviest?

Statement-I Shyam is heavier then Ram, but lighter than pankaj.

Statement-II Hari lighter than shyam.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I and II. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the height of the tallest person among three people?

Statement-I Average height of the three person is 170cms.

Statement-II The shortest person is 145 cms tall.

- (a) The question cannot be answered with the help of information provided.
- (b) The question can be answered with the help of both statements together.
- (c) The question can be answered with the help of any one statement not both
- (d) The question can be answered with the help of either of the statement



The following questions, there are three statements I,II and III. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the code for “go friends”?

Statement-I In the code language “Ravi and Raja are friends” is written as “ik jk pq no ji”.

Statement-II In the code language “both friends go to college” is written as “os jh pk jk bm”.

Statement-III In the code language “Ravi does go there” is written as “vz os ik tx”.

- (a) Statement II and III are sufficient to answer the question.
- (b) All statements are required.
- (c) Only Statement I alone is sufficient to answer the question.
- (d) Statement I and II are sufficient to answer the question.



The following questions, there are three statements I and II . Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

What is the code for “whirl” in code?

Statement-I In the code language “whirl is she” is written as “ ka ma te” and “she is humorous” is written as ‘te ka ro’.

Statement-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) Both Statement I and II together is necessary to answer the question.
- (b) Only Statement II alone is sufficient to answer the question.
- (c) Only Statement I alone is sufficient to answer the question.
- (d) Data either in Statement I or II alone is sufficient to answer the question.



The following questions, there are three statements I,II and III. Read the question carefully and mark your answer according to which statement(s) is /are sufficient to answer the question.

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

Statement-I In the code language "Washing time is not good" is written as " po to so ko mo"

Statement-II In the code language "Hygiene is easy habit" is written as "to go bo jo"

Statement-III In the code language "Poor Hygiene not easy" is written as "bo go no po"

- (a) Both Statement I and II together is necessary to answer the question.
- (b) Only Statement III alone is sufficient to answer the question.
- (c) All statements are required
- (d) Data either in Statement I or II alone is sufficient to answer the question.



How long would it take Amit to complete the work?

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Statement I :Amit and Sumit together complete the work in 10 days.

Statement II :Amit takes 5 days more than Sumit to complete the work.

- (a) If you cannot get the answer from statements I and II together, but need even more data.
- (b) If you can get the answer from statements I and II together, although neither statement by itself sufficient.
- (c) If either statement I or II above is sufficient to answer the question.
- (d) If you can get the answer from statement II alone but not from statement I alone



How many flooring panels of size 10 ft*8 ft will be required to cover the floor of a 10 ft long room?

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Statement I : The height of the room is 14 ft.

Statement II : The width of the room is 16 ft.

- a) If either statement I or II above is sufficient to answer the question.
- b) If you can get the answer from statements I and II together, although neither statement by itself suffices.
- c) If you cannot get the answer from statements I and II together, but need even more data.
- d) If you can get the answer from statement II alone but not from statement I alone



Is the given triangle a right-angled triangle?

48

Statement I :The perimeter of the triangle is 12cm.

Statement II :The three sides of the triangle are 3 cm, 4 cm and 5 cm.

- (a) If you cannot get the answer from statements I and II together, but need even more data.
- (b) If you can get the answer from statements I and II together, although neither statement by itself sufficient.
- (c) If either statement I or II above is sufficient to answer the question.
- (d) If you can get the answer from statement II alone but not from statement I alone



Does light travel faster than sound?

49

Statement I : Light can travel in vacuum.

Statement II : Sound cannot travel in vacuum.

- a) If you cannot get the answer from statements I and II together, but need even more data.
- b) If you can get the answer from statement II alone but not from statement I alone
- c) If either statement I or II above is sufficient to answer the question.
- d) If you can get the answer from statements I and II together, although neither statement by itself sufficient.



What is the monthly salary of Prashant?

50

Statement I : Prashant gets 15% more than Sumit while Sumit gets 10% less than Lokesh.

Statement II : Lokesh's monthly salary is Rs 2500.

- a) If the data given in both statements I and II together are not sufficient to answer the question.
- b) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- c) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- d) If the data in both statements I and II together are necessary to answer the question.
- e) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.



What is the percentage profit on the cost price?

51

Statement I :The cost price is Rs 368.35.

Statement II :There is a 20% profit in the selling price.

- a) If you get the answer from the statements I and II together , although neither statement by itself sufficient.
- b) If you cannot get the answer from statement I and II together, but need even more data.
- c) If you can get the answer from statement II alone but not from statement I alone.
- d) If either statement I or II above is sufficient to answer the question.



How old is Sunita now?

52

Statement I :Sunita was twice as old as her brother two years ago and her brother's age now is 20 years.

Statement II :Sunita was 10 years old when her brother was born.

- a) If the data even in both the statement together are not sufficient to answer the question.
- b) If statement II alone is sufficient but statement I alone is not sufficient.
- c) If the data in both the statement I and II together are needed to answer the question.
- d) If the data either statement I alone or in the statement II alone are sufficient to answer the question.
- e) If statement I alone is sufficient but statement II alone is not sufficient.



What is the value of the positive integer n ?

53

Statement I : $n^4 < 25$

Statement II : $n \neq n^2$

- a) if both the statements taken together are not sufficient and more information is required to solve the question.
- b) if neither statement I nor statement II is individually sufficient to solve the question, but a combination of both is sufficient to solve the question.
- c) if both the statements I and II are individually sufficient to solve the question.
- d) if statement II alone is sufficient to solve the question, but statement I alone is not.
- e) if statement I alone is sufficient to solve the question, but statement II alone is not.



Prakash and Suraj are in a line to purchase tickets. How many people are in the line?

54

Statement I : There are 20 people behind Prakash and 20 people in front of Suraj.

Statement II : There are 5 people between Prakash and Suraj.

- a) if statement I alone is sufficient to solve the question, but statement II alone is not.
- b) if both the statements taken together are not sufficient and more information is required to solve the question.
- c) if statement II alone is sufficient to solve the question, but statement I alone is not.
- d) if neither statement I nor statement II is individually sufficient to solve the question, but a combination of both is sufficient to solve the question



The ratio of 2 numbers x and y is 2 : 3. What are the values of x and y ?

55

Statement I : $3x - 2y = 0$

Statement II : $2x + 7y = 1$

- a) if the question can be answered by using either statement alone.
- b) if the question can be answered by using statement A alone but not by using B alone.
- c) if the question can be answered by using statement B alone but not by using A alone.
- d) if both the statements taken together are not sufficient and more information is required to solve the question
- e) if the question can be answered by using both the statements together but not by either statement.



DIFFERENTIATE

“YOURSELF”

FROM OTHERS !!



INNATETALENT

TRANSFORMING FUTURE