BOX 1 2 3 4 5 6 7 8 9 10

12 7 9 22 8 6 5 23 20 17

Step 1: Addition number in box 3+number in box 5 put result in box 7

Step 2: Subtraction number in box 3+number in box 5 put result in box 4

Step 3: IS number in box 4 number in box 5

Step 4: IS number in box 4 number in box 2

NO Step 5: Subtraction number in box7 number in box 4 put result in box 3

Step 6: Multiplication number in box3 number in box4 number in box 10

Step 7: Divide number in box 10 number in box 3 number in box 6

YES

NO

YES

1. what is the ratio of number in Box 4 to Box 10?
2. If initial value of Box 10 is used then what is the output of step 7?
3. What is the sum of Box 5 and BPox 10?

4. When is Manohar's birthday this year ?

I. It is between January 13 and 15, January 13 being Wednesday.

II. It is not on Friday.

1. If the data in statement I alone are sufficient to answer the question
2. If the data in statement II alone are sufficient answer the question
3. If the data either in I or II alone are sufficient to answer the question;
4. If the data even in both the statements together are not sufficient to answer the question

5. Manoj, Prabhakar, Mash and Kamal are four friends. Who among them is the heaviest ''

I. Prabhakar is heavier than Manoj and Kamal but lighter than Akash.

II.Manoj is lighter than Prabhakar and Mask but heavier than Kamal.

1. If the data in statement I alone are sufficient to answer the question
2. If the data in statement II alone are sufficient answer the question
3. If the data either in I or II alone are sufficient to answer the question;
4. If the data in both the statements together are needed

6. In which year was Rahul born ?

I. Rahul at present is 25 years younger to his mother.

II. Rahul's brother, who was born in 1964, is 35 years younger to his mother.

1. If the data in statement I alone are sufficient to answer the question
2. B) If the data in statement II alone are sufficient answer the question
3. C) If the data either in I or II alone are sufficient to answer the question;
4. If the data in both the statements together are needed.
5. Pointing out to a lady, a girl said, "She is the daughter-in-law of the grandmother of my father's only son." How is the lady related to the girl ?
6. Sister-in-law
7. Mother
8. Aunt
9. Can't be determined

8. In a certain code language COMPUTER is written as RFUVQNPC. How will MEDICINE be written in that code language?

A) MFEDJJOE

B) EOJDEJFM

C) MFEJDJOE

D) EOJDJEFM

**9.Statements:** Some dogs are bats. Some bats are cats.

**Conclusions:**

1. Some dogs are cats.
2. Some cats are dogs.
3. Only (1) conclusion follows
4. Only (2) conclusion follows
5. Either (1) or (2) follows
6. Neither (1) nor (2) follows
7. Both (1) and (2) follow

10. In the following question symbols $,@,#,% and\* are used with the meaning illustrated as below

P@Q means P is not greater than Q

P # Q means P is neither greater than nor equal to Q

P $ Q means P is neither smaller than nor equal to Q

P \* Q means P is neither smaller than nor greater than Q

P % Q means P is not smaller than Q

Now in each of the following questions assuming the given statements true find which of two conclusion 1 and 11 given below definitely true/false?

* 1. Only (1) conclusion follows
  2. Only (2) conclusion follows
  3. Either (1) or (2) follows
  4. Neither (1) nor (2) follows
  5. Both (1) and (2) follow

Statements :

R $ M, M F, F % J

Conclusion:

1. R $ J
2. F R

11. Choose the missing terms out of the given alternatives Z, S, W, O, T, K, Q, G, ?, ?

A) N,D

B) N,C

C) O,D

D) O,C

12. Find the missing number in the series?

4, 18, ?, 100, 180, 294, 448

A. 48

B. 50

C. 58

D. 60

Quants

1. Keerthi’s age is 3 times his son david’s age. Five years back , the sum of there ages was 70 years, find the age of david five years back?

2. Find the fraction which is equal to ½ when both numerator and denominator are increased by It is equal to ¾ when both increased by 12?

3. The side QR of triangle PQR is produced to S. if angle PRS measures 120 and angle Q measures half of angle P, then determine the measure of angle P?

4. The square field of with 220m diagonal is being cultivated with the rate RS.5 per sq m, calculate the cost of cultivation of the field?

1. 91,000 b.1,21,000 c.2,21,000 d. 1,90,000

5. In a family, the father took 1/4th of the cake and he had 3 times as much each had , the total number of family members are ?

1. 12 b. 3 c. 10 d. 7

6. Two friends bought two bicycles whose prices were in the ratio of 1:5. If they sold them at a loss of 10%, the difference between the money earned by them was RS.3600. What was the cost price of the costlier bicycle?

a. 1000 b. 4000 c. 2500 d. 5000

7. A man sold a horse at a loss of 7%. Had he been able to sell it at a gain of 9%, it would have fetched him RS.64 more than it did. What was cost price?

1. 400 b. 500 c.600 d. 700

8. If a : b is 1 : 2 ,then (a + b)/(a – b) = ?

9. In a school 60 boys and 40 girls are present, how many boys to be added more to get a ratio 10 : 9?

10. A train 450m long moving at a speed of 54kmph can cover the its own length in how many seconds?

11. 12 girls can do a work in 24 days,how many days 18 girls will take?

12. If diameter of a base of a cylinder is 25m and height is 14m find its volume?

13.If the sphere radius is 14cm. What is the Volume of a sphere?

14. If the peremeter of square is equal to area of square then side is ?

15. A car travels 60m in 30 sec speed of a car in kmph?