

GEORGE SUMMERS puzzle books are suggested. INFOSYS TECHNOLOGIES LIMITED.

Question Paper Part 1.

(1) 9 cards are there. u have to arrange them in a 3*3 matrix. cards are of 4 colors.they are red,yellow,blue,green. conditions for arrangement: one red card must be in first row or second row.2 green cards should be in 3rd column.Yellow cards must be in the 3 corners only. Two blue cards must be in the 2nd row. Atleast one green card in each row.

Solution:

Yello Red Gren
Blu Blu Gren
Yello Gren Yello

2. 4 cards are placed on a table, each card has two colors. U don't know the color of the back side of eachcard.4 persons A B C and D are sitting on the table before the cards. They can see Red, Green Red and blue .Out of the 4 poeple 2 always lie. They see the color on the reverse sideand give the following comment

A: Yello/green

B: Neither Blue/nor Green

c: Blue/Yello

D: Blue/ Yello

find out the color on the other side of the 4 cards.

3.Red and brown tribes [FROM BARRONS GRE] Conditions to get married with each other.

4. Venn diagram regarding Rich, muscular, soft-skinned, employed, etc.,(Refer BARRONS GRE GUIDE)
PART 2.

1. SAKUNTALA DEVIS PUZZLE BOOK : PUZZLES TO PUZZLE YOU.

problem no: 3. (Brothers and Sisters) A family I know has several children. Each boy in this family has as many sisters as brothers but each girl has twice as many brothers as sisters. How many brothers and sisters are there? ans: 4 boys and 3 girls.

2. No. of animals is 11 more than the no. of birds. If the no. of birds were the no. of animals and no. of animals were the no. of birds(ie., interchanging no.s of animals and birds.), the total no. of legs get reduced by one fifth (1/5). How many no. of birds and animals were there? ans: birds:11,animals:22

3. In a soap company a soap is manufactured with 11 parts. For making one soap you will get 1 part as crap. At the end of the day u have 251 such scraps. From that how many soaps can be manufactured?

ans: $22 + 2 + 1 = 25$.

4.
$$\begin{array}{r} 2 \times * \\ 3 \times * \end{array} \quad \begin{array}{l} | \\ | \end{array}$$
 No. 7 does not occur in this

$$\begin{array}{r} 5 \times * \\ * 4 \times \\ * \times 3 \end{array} \quad \begin{array}{l} | \\ | \\ | \end{array}$$
 multiplication.
Find the product.

$$\begin{array}{r} * \times * \times * \end{array} \quad \begin{array}{l} | \\ | \end{array}$$

$$\begin{array}{r} \text{ans } 281 \\ 322 \\ \hline 562 \\ 5620 \\ 84300 \\ \hline 90482 \end{array}$$

5. There is a 5digit no. 3 pairs of sum is eleven each. Last digit is 3 times the first one. 3 rd digit is 3 less than the second. 4 th digit is 4 more than the second one. Find the digit. ans : 25296.

6. There are five thieves, each loot a bakery one after the other such that the first one takes $\frac{1}{2}$ of the total no. of the breads plus $\frac{1}{2}$ of a bread. Similarly 2nd, 3rd, 4th and 5th also did the same. After the fifth one no. of breads remained are 3. Initially how many breads were there ans : 31.

7. ESCALATOR PROBLEM OF SAKUNTALA DEVI ' PUZZLES TO PUZZLE ' book.

Problem No: Problem 27(Down the escalator) ans : the no of steps in the stair way : 46.

8. Harbour line and Main line Problem of Sakuntala Devi Puzzle book. Ans : $\frac{4}{5}$. (More Puzzles book)

9. There are some chicken in a poultry. They are fed with corn One sack of corn will come for 9 days. The farmer decides to sell some chicken and wanted to hold 12 chicken with him. He cuts the feed by 10% and sack of corn comes for 30 days. So initially how many chicken are there?

10. Two people X & Y walk on the wall of a godown in opposite direction. They meet at a point on one side and then go ahead. X after walking for some time, walks in opposite direction for 15 mtrs. Then again he turns back and walks in the original direction. What distance did Y walk before they met again, if X walks 11 mtrs by the time Y walks ans. 8 mtrs.

11. Problem from SAKUNTALA DEVI ' PUZZLES TO PUZZLE U ' . Problem no: 23(Walking back to happiness.) The walking time : 55 mins.

Next model

1. At 6 o' clock , a watch strokes 6 times. The time between first and last is 30 secs. At midnight 12 o' clock how much time for all strokes?

2. Ship is 180 miles away from shore. At that time a plane started from shore to pass some information to the ship with 10 times velocity of ship' s velocity. At what distance from shore they will meet? (200 miles)

3. In rail road there are some stations. Each station should have tickets to all other stations. If they add some new stations they need 46 more tickets. How many stations are there before and after adding the stations?

4. Three girls are discussing about the party which they attended in the past.

1st girl: Party was on May 8th , Thursday.

2nd girl:do..... 10th , Tuesday.

3rd girl:do..... June 8th Friday.

Conditions: 1. One girl' s statement totally wrong.

2. In one girl' s statement only one part is correct(means it may be date, year or month).

3. In another girl' s statement except one part , every thing is true.

Ans : May 8th Tuesday (may be correct)

5. Hockey match, fill in the blanks type

| team | No. of matches | won | lost | draw | goals(favour) | goals(against) |
|------|----------------|-----|------|------|----------------|-----------------|
| A | 2 | 2 | 0 | 0 | 7 | 1 |
| B | 2 | 0 | 1 | 1 | 2 | 4 |
| C | 2 | 0 | 1 | 1 | 3 | 7 |

6. Statements given by different family members.

1. B is my father' s brother

2. E is my mother-in-law.

3. C is my son-in-law' s

4. A is my brother' s wife.

A, B, C, D, E are the family members. Who made above statements. D Give relations.

Ans: A, B are couple.

E is B' s brother-in-law.

D is B' s son.

C is B' s brother

Ans: statement Member

1 D

2 B

3 E

4 B

next model

1. Three neighbours are there. 1st one lends 2nd and 3rd that many no. of tractors that then already each had. After few months, 2nd lends to 1st and 3rd that many tractors then they had. After a few months 3rd lends to 1st and 2nd that many tractors then they had. Now each of them got 24. Find how many they had initially? Ans: 39 21 12

2. 3 members expect which will be the elected party among 4 parties namely Flying party, Eatwell, Good sleep, Loosing parties

X expects that either f.p or e.w.p will win.

Y do.....f.p or g.s will win

Z do.....neither e.w.p nor g.s.p will win

One part of each members statement is correct. Which party will win? Ans: F.P

3. Three members are hunting in a forest. While crossing a stream cartridges of two of them gets wetted up. Then the third person decides his cartridges equally. After 4 shots of each person, total cartridges remaining are equal to what each had initially after sharing. How many total cartridges they initially they shared? Ans: 18

$$\begin{array}{ccc} & Y & \\ Y/3 & Y/3 & Y/3 \\ Y/3-4 & Y/3-4 & Y/3-4 \end{array}$$

$$3(Y/3-4) = Y/3$$

$$Y = 18$$

4. 2)e means belong.

All members of E e D.

All members of D e A.

Not all members of D e E.

Not all members of A e D.

All members of C e both A and B. some questions are asked about relation. use venn diagram. (5 marks).

4) A says Party was held on : Thursday , May 8th.

>> B says Party was held on : Tuesday, May 10th.

>> C says party was held on : Friday, June 8th.

>> Given April 1 st was Tuesday. one of A, B, C says 1 correct. one says 1

>> wrong. and one was completely wrong of date, Month and day. Find the

>> Day the party held. (5 marks).

>> 5) A ship is away from the shore by 180 miles. A plane is travelling at 10 times speed of the ship. How long from the shore will they meet? (2 marks)

>>> 6) Every station in N railroad issue every other station's ticket. some stations are added. Now they have to issue 46 more tickets. say the No. of stations after and before added. (5 marks).

>> 7) 3 persons say these statements. A says either Democratic or liberal wins the elections. B says Democratic wins. C says neither democratic nor liberal wins the election. of these only one is wrong. who wins the election? (5 marks).

>> 8) A clock showing 6 o' clock takes 30 secs to strike 6 times. How long will it take to strike 12 at midnight? Ans. 66 secs. (2 marks)

>> 9) Only boys aged > 16 wear coats. Boys aged > 15 go to watch football. some more statements are given. What can be said about those who are watching football? (age and costume) (5 marks).

10) There are 3 societies A, B, C having some tractors each. A Gives B and C as many tractors as they already have. After some days B gives A and C as many tractors as they have. After some days C gives A and B as many tractors as they have. Finally each has 24 tractors. what is the original No. of tractors each had in the beginning? Ans. A - 39. B - 21. C - 12. (7 marks).