1). A beggr collects cigarette stubs and makes one ful cigarette with every 7 stubs. Once he gets 49 stubs . How many cigarettes can he smoke totally.

Ans. 8

2). A soldiar looses his way in a thick jungle at random walks from his camp but mathematically in an interestingg fashion. First he walks one mile east then half mile to north. Then 1/4 mile to west, then 1/8 mile to south and so on making a loop. Finally hoe far he is from his camp and in which direction.

ans: in north and south directions

= 1/2/((1-(-1/4)))

similarly in east and west directions

1-1/4 + 1/16 - 1/64 + 1/256 - and so on

$$= 1/((1 - (-1/4)))$$

add both the answers

3). hoe 100000000 can be written as a product of two factors

neither of them containing zeros

Ans 2 power 9 x 5 ppower 9 (check the answer)

4). Conversation between two mathematcians:

first : I have three childern. Thew pproduct of their ages is 36

. If you sum their ages . it is exactly same as my neighbour's

door number on my left. The sacond mathematiciaan verfies the

door number and says that the not sufficient . Then the first

says " o.k one more clue is that my youngest is the youngest"

This document was created with the trial version of Print2PDF! Once Print2PDF is registered, this message will disappear! Purchase Print2PDF at <u>http://www.software602.com/</u> Immediately the second mathematician answers . Can you aanswer the questoion asked by the first mathematician? What are the childeren ages? ans 2 and 3 and 6 5). Light glows for every 13 seconds . How many times did it between 1:57:58 and 3:20:47 am

ans : 383 + 1 = 384

6). 500 men are arranged in an array of 10 rows and 50 columns . ALL tallest among each row aare asked to fall out . And the shortest among THEM is A. Similarly after resuming that to their originaal podsitions that the shorteest among each column are asked to fall out. And the longest among them is B . Now who is taller among A and B ?

ans A

7). A person spending out 1/3 for cloths , 1/5 of the remsaining

for food and 1/4 of the remaining for travelles is left with

Rs 100/-. How he had in the begining?

ans RS 250/-

8). there are six boxes containing 5, 7, 14, 16, 18, 29 balls of either red or blue in colour. Some boxes contain only red balls and others contain only blue. One sales man sold one box out of them and then he says " I have the same number of red balls left out as that of blue ". Which box is the one he solds

out ?

Ans : total no of balls = 89 and (89-29 /2 = 60/2 = 30

This document was created with the trial version of Print2PDF! Once Print2PDF is registered, this message will disappear! Purchase Print2PDF at <u>http://www.software602.com/</u>

and also 14 + 16 = 5 + 7 + 18 = 30

9). A chain is broken into three pieces of equal lenths conttaining 3 links each. It is taken to a backsmith to join into a single continuous one. How many links are to tobe opened to make it ?

Ans : 2.

10). Grass in lawn grows equally thickand in a uniform rate. It

takes 24 days for 70 cows and 60 for 30 cows . How many cows can

eat away the same in 96 days.?

Ans : 18 or 19

11). There is a certain four digit number whose fourth digit is

twise the first digit.

Third digit is three more than second digit.

Sum of the first and fourth digits twise the third number.

What was that number?

Ans : 2034 and 4368

If you qualify in the first part then you have to appear for the second i.e the following part.

Part 2.

1. From a vessel on the first day, 1/3rd of the liquid

evaporates. On the second day 3/4th of the remaining liquid

This document was created with the trial version of Print2PDF! Once Print2PDF is registered, this message will disappear! Purchase Print2PDF at <u>http://www.software602.com/</u>

evaporates. what fraction of the volume is present at the end of the II day.

an orange galss has orange juice. and white glass has apple juice. Bothe equal volume 50ml of the orange juice is taken and poured into the apple juice. 50ml from the white glass is poured into the orange glass. Of the two quantities, the amount of apple juice in the orange glass and the amount of orange juice in the white glass, which one is greater and by how much?
there is a 4 inch cube painted on all sides. this is cut into no of 1 inch cubes. what is the no of cubes which have no pointed sides.

4. sam and mala have a conversation. sam says i am vertainly not over 40. mala says i am 38 and you are atleast 5 years older than me. Now sam says you are atleast 39. all the sattements by the two are false. How hold are they realy.

ram singh goes to his office in the city, every day from his suburbun house. his driver mangaram drops him at the railway station in the morning and picks him up in the evening. Every evening ram singh reaches the station at 5 o'clock. mangaram also reaches at the same time. one day ramsingh started early from his office and came to the station at 4 o'clock. not wanting to wait for the car he starts walking home. Mangaram starts at normal time, picks him up on the way and takes him back house, half an hour early. how much time did ram singh walk.
in a railway station, there are tow trains going. One in the

This document was created with the trial version of Print2PDF! Once Print2PDF is registered, this message will disappear! Purchase Print2PDF at <u>http://www.software602.com/</u>

harbour line and one in the main line, each having a frequency of 10 minutes. the main line service starts at 5 o'clock. the harbour line starts at 5.02a.m. a man goes to the station every day to catch the first train. what is the probability of man catchinhg the first train

7. some people went for vaction. unfortunately it rained for 13 days when they were there. but whenever it rained in the morning, they had clean afternood and vice versa. In all they enjoyed 11 morning and 12 afternoons. how many days did they stay there totally

8. exalator problem repeat

9. a survey was taken among 100 people to firn their preference of watching t.v. programmes. there are 3 channels. given no of

people who watch

at least channel 1

"2

" " 3

no channels at all

atleast channels 1 and 3

" " 1 and 2

" " 2 and 3

find the no of people who watched all three.

10. albert and fernandes they have two leg swimming race. both

start from opposite and of the pool. On the first leg, the boys

This document was created with the trial version of Print2PDF! Once Print2PDF is registered, this message will disappear! Purchase Print2PDF at <u>http://www.software602.com/</u>

pass each other at 18 mt from the deep end of the pool. during the II leg they pass at 10 mt from the shallow end of the pool. Both go at const speed. but one of them is faster. each boy rests for 4 sec to see at the end of the i leg. what is the length of the pool.

11. T H I S	Each alphabet stands for one
IS	digit, what is the maximum value T
	can take
XFXX	
XXUX	
XXNXX	

This document was created with the trial version of Print2PDF! Once Print2PDF is registered, this message will disappear! Purchase Print2PDF at <u>http://www.software602.com/</u>

_ _ _ _ _ _ _ _ _ _ _ _