1.The average speed of a man running a lap is 150 mph. He covers first two fifth of the lap at a speed of 123 mph and the second two fifth distance by 164 mph, so what is the time taken by him to cover the remaining one fifth distance?

### 2.In an exam, there were 25 math qns and 75 nonmath qns. To answer a math qn, a candidate was supposed to spend twice the time he spends to answer a nonmath qn. If the entire exam duration was 2 hrs, find the time he spent on the math qns.

### 3. In a jungle a man was at one end of the jungle. He has to give a 2 pieces of  cake to his friend who was at the other end of the jungle. There were 7  bridges on the way with 7 gatekeepers. Each gatekeeper will take half of the  cake he has and will give one piece back to him. How many cakes should the  man carry initially?

### 4.There is a school with 100 students and correspondingly 100 lockers, all of which start off closed. The first student opens every locker and the second students closes every other locker starting with the second (2,4,6...etc..) . The 3rd student changes the state of the lockers numbered (3,6,9.. etc.). The fourth student changes the state of the lockers numbered (4,8,12.. etc..).. This continues until all the 100 students passes along the lockers.. when all the 100 student is done which locker is closed and which locker is in open condition?

### 5.What is the unit digit of 1 +9 +9^2 + 9^3 + .... 9^2773 ?

### 6.A 2 digit number is divided by the sum of digits then it gives square root of the number. Find the 2 digit number.

### 7.How many small cuboids of dimension 2m X 3m x 4 m can be accommodated in a cube of side 22 m?

### 1.#include int main() { char \*ptr; char string[] = "How are you?"; ptr = string; ptr += 4; printf("%s",ptr); return 0; }

### A group of friends went on a holiday to a hill station. It rained for 13 days. But when it rained in the morning, the afternoon was lovely. And when it rained in the afternoon, the day was preceded by clear morning. Altogether there were 11 very nice mornings and 12 very nice afternoons. How many days did their holiday lastchocolate. If u have Rs.15 how many chocolates do u get...?

### 3. A man loses 20% of his money and after spending 70% of the remainder he is left with Rs. 270. Originally he had

### 4. main() { printf("%x",-1<<4); }

### 5. The LCM of two positive nos is 168 and their product is 504. what is the difference in their squares? A. 175 B.216 C.9 D.135

### 6. If A:B =5:9, B:C=3:8 then A:B:C=?

### 7. how to print a message to console without using main() function?(do not use even static blocks also.)

### 8.explain the struts-configuration file?

### 9. there are 3 jars of different sizes.one jar holds 8 litres of milk,the other 2 jars of 5 litres and 3 jars are empty.There is no measuring level or marks in all the jars.Juggle between these 3 jars and get 2 jars containing 4litres each at the end.?

### 10. A group of friends went on a holiday to a hill station. It rained for 13 days. But when it rained in the morning, the afternoon was lovely. And when it rained in the afternoon, the day was preceded by clear morning. Altogether there were 11 very nice mornings and 12 very nice afternoons. How many days did their holiday last?

### 11. On evey Sunday Amar, Akbar and Anthony lunch together at Preetam-Da-Dhaba where they order lassi based on following facts. 1. Unless neither Amar nor Akbar have lassi, Anthony must have it. 2. If Amar does not have lassi, either Akbar or Anthony or both have it. 3. Anthony has lassi only if either Amar or Akbar or both have it. 4. Akbar and Anthony never have lassi together. Who order(s) lassi?

### 12. a group of friends goes for dinner and gets bill of Rs 2400 . Two of them says that they have forgotten their purse so remaining make an extra contribution of Rs 100 to pay up the bill. Tell the no. of person in that group