Logical Aptitude Questions

1) A $ B means A is the father of B; A # B means A is the sister of B; A * B means A is the daughter of B and A @ B means A is the brother of B. Which of the following indicates that M is the wife of Q? CONFIRM

A. Q $ R # T @ M

B. Q $ R @ T # M

C. Q $ R * T # M

D. Q $ R @ T * M

2) What mathematical symbol can be put between 8 and 9, to get a number bigger than 8 and smaller than 9?

3) A blind-folded man is handed a deck of 52 cards and told that exactly 10 of these cards are facing up. He is asked to divide those cards into two piles, each with the same number of cards facing up. He can't peek, get help, or damage the cards, but may use any strategy that occurs to him to do so.
How can he do it?

4) There are three boxes, one contains only apples, one contains only oranges, and one contains both apples and oranges. The boxes have been incorrectly labelled such that no label identifies the actual contents of the box it labels. Opening just one box, and without looking in the box, you take out one piece of fruit. By looking at the fruit, how can you immediately label all of the boxes correctly?

5) Choose the image that completes the pattern:

Which of the shapes below replaces the missing box above?

6) Two fathers and two sons sat down to eat eggs for breakfast. They ate exactly three eggs, each person had an egg. The riddle is for you to explain how

7) An athlete is able to jump FOREVER. However, every time that she jumps she gets a bit more tired, and every jump goes 1212 as far as her prior jump. Now, for her very first jump, she goes 12 of a foot. On her second jump, she goes 1414 of a foot, and so on and so forth. The beginning
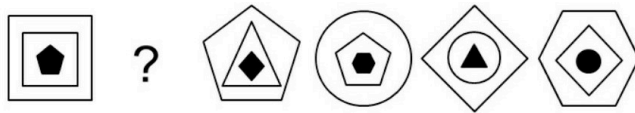
of her journey is shown in the gif below. How many jumps does it take for her to travel 1 foot?

8) You are an astronaut and right now at an arbitrary planet. You are in a room with 10 glasses of samples of milk with poison dissolved in one of them. You have one rat to test the sample. If the rat drinks the poisonous sample at a given time, it dies around 10 hours later. You have 24 hours to find out which sample is poisonous. How would you do that?
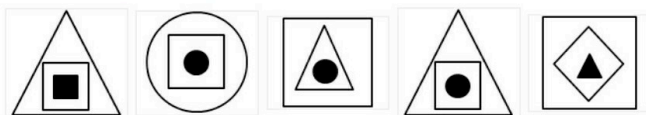And yeah, the gravity there is 1.5 times the gravity of earth

9) If R=114/82, H=104/72, V=118/86, then what is the value of D ?

a) 108/68

b) 100/63

c) 100/68

d) 98/60

10) Choose the image that completes the pattern:

Which of the shapes below replaces the missing box above?

11) What is the 6th term of the series: 4, 3, 4, 9, 32, …

12) Day before yesterday I was 21 years old. Next year 24 years old. What is today's date ?

13) Two men are playing chess. They have already played 3 games. Yet both have won 3 games each. How is this possible, if possible?

   a) It is not possible.
   b) All games were ties
   c) None of the above
   d) It is possible

14) There are three poles, first pole has three rings of 3 different sizes, the smaller ones stacked above the bigger ones. What is the minimum number of shifts required to put all the three rings in the third pole, smaller one stacked above the bigger ones, subjected to following conditions:

   a) Only one ring can be shifted from one pole to another pole at a time.

   b) A bigger ring cannot be placed over smaller ring.

15) You are in a cookie factory, and need to make a huge batch of chocolate chip cookies. The recipe calls for exactly 4 cups of sugar. Problem is that you have two buckets. One bucket holds 5 cups, the other 3 cups. Using these buckets, how can you measure exactly 4 cups of sugar?