**Question 1:**Sum Sam and Product Pete are in class when their teacher gives Sam the Sum of two numbers and Pete the product of the same two numbers (these numbers are greater than or equal to 2). They must figure out the two numbers.  
  
**Sam:**I don't know what the numbers are Pete.  
**Pete:**I knew you didn't know the numbers... But neither do I.  
**Sam:**In that case, I do know the numbers.  
  
What are the numbers?

**Answer:**The numbers are 3 and 4.

**Question 2:**A very famous chemist was found murdered in his kitchen today. The police have narrowed it down to six suspects. They know it was a two man job. Their names: Felice, Maxwell, Archibald, Nicolas, Jordan, and Xavier.  
  
A note was also found with the body: '26-3-58/28-27-57-16'.  
  
Who are the killers?

**Answer:**Felice and Nicholas are the murderers. The numbers correspond to atomic numbers on the periodic table of elements: 'Fe-Li-Ce/Ni-Co-La-S'.

**Question 3:**

John has some chickens that have been laying him plenty of eggs. He wants to give away his eggs to several of his friends, but he wants to give them all the same number of eggs. He figures out that he needs to give 7 of his friends eggs for them to get the same amount, otherwise there is 1 extra egg left.  
  
What is the least number of eggs he needs for this to be true?

**Answer:**301 eggs. The number of eggs must be one more than a number that is divisible by 2, 3, 4, 5, and 6 since each of these numbers leave a remainder of 1. For this to be true one less than the number must be divisible by 5, 4, and 3 (6 is 2\*3 and 2 is a factor of 4 so they will automatically be a factor). 5 \* 4 \* 3 = 60. Then you just must find a multiple of 60 such that 60 \* n + 1 is divisible by 7. 61 / 7, 121 / 7, 181 / 7, 241 / 7 all leave remainders but 301 / 7 doesn't.

Question 4:What is harder to catch the faster you run?

Answer: Your breath

Q5: A man is trapped in a room. The room has only two possible exits: two doors. Through the first door there is a room constructed from magnifying glass. The blazing hot sun instantly fries anything or anyone that enters. Through the second door there is a fire-breathing dragon. How does the man escape?

He waits until night time and then goes through the first door.

Q7 A woman is sitting in her hotel room when there is a knock at the door. She opened the door to see a man whom she had never seen before. He said "oh I'm sorry, I have made a mistake, I thought this was my room." He then went down the corridor and in the elevator. The woman went back into her room and phoned security. What made the woman so suspicious of the man?

You don't knock on your own hotel door and the man did.

Q8 What is at the end of a rainbow?

Ans The letter W

Q9 Although I’m far from the point, I don’t make mistakes, I fix yours. What am I?

Ans . An eraser on a pencil

Q10 Feed me and I live, yet give me a drink and I die

Ans. Fire

Q11 What gets whiter the dirtier it gets?

Ans :A chalkboard

Q12What is broken but right two times a day?

Ans A clock. A broken clock will still be right two times a day.

Q13 What is it that goes up and goes down but does not move?

The temperature

Q14What is black when you buy it, red when you use it, and gray when you throw it away?

Charcoal