

# Sri Lankan New Year Festival 2008 Puzzles for Adults

(See the registration desk with your answers)

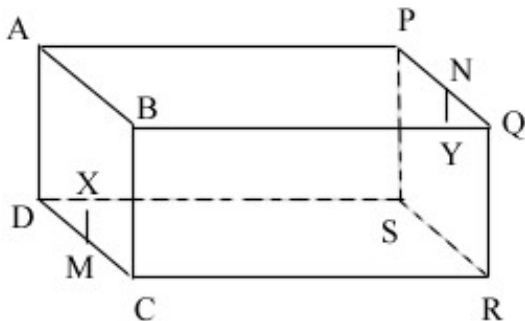
1. A man is condemned to death. He is given an opportunity to make a "one last statement"  
 IF it is truth he is hanged to death  
 IF it is false he is poisoned to death.  
 He uttered his one last sentence from which he escaped.  
 What is the last statement ?

2. Three intelligent men, members of a safari, are captured by cannibals in the jungle. Men are given one chance to escape live. The men are lined up and bound to stakes such that one man can see the backs of the other two, the middle man can see the back of the front man, and the front man can't see anybody.  
 The men are shown five hats, three of which are black and two of which are white. Then the men are blindfolded.  
 One of the five hats is placed on each man's head. The remaining two hats are hidden away. The blindfolds are removed. The men are told that if just one of the men(in any order-anybody) can guess what hat he's wearing, they may all go free.  
 Time passes.  
 Finally, the front man, who can't see anyone(the front most person), correctly guesses the color of his hat. What color was it, and how did he guess correctly?

3. X number of cards are placed on table A. Out of X, Y number of them are face down.  
 You have to move cards (one at a time) from table A to table B.  
 After the move both tables should have equal number of cards face down.  
 You are blind folded and sit in the middle of tableA and tableB.  
 (means you can touch the cards but you cannot see whether they are face up or down)  
 You are given the values of X and Y.  
 How do you accomplish this ?

4. Consider this as a rectangular room with a ceiling. ABPQ ceiling, DCSR floor.  
 PQ mid point is N, DC mid point is M. X is switch and Y is bulb.  
 $AB=BC=CD=DA=PQ=QR=RS=SP=12$   
 $AP=BQ=CR=DS=30$   
 $DM=MC=PN=NQ=6$   
 $MX=NY=1$

A wire has to be drawn from X to Y(along the walls/floor/ceiling ;Wire cannot drawn through space.)



What is the shortest length of such a wire.  
 Answer is less than : 42

Answers :

1. **"I should be poisoned"** think a bit and analyse. Still if you don't get keep on reading.

**Explanation** : If "I should be poisoned" is TRUE (by sentence) you have to poison him. But according to the rule of the riddle "He should be hanged". Because of the contradiction no one can hang him or poison him. This solves by CONTRADICTION.

2. First hit :

Time passes by (This is key sentence)

Now try again.

Answer :

If black is 1 and white is 0

All possible combinations :

a. 000

b. 001

c. 010

d. 011

e. 100

f. 101

g. 110

h. 111

a. does not happen ; if e first buy can answer

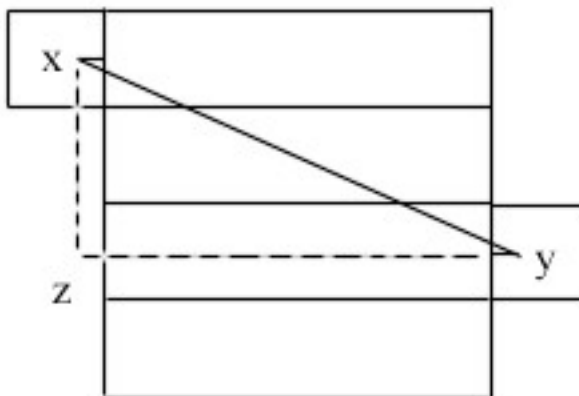
if c or g, second guy could have answered

In all other cases 3rd guy wears black.

3. Pick a card from tableA , flip the side and place on tableB

You do this until you reach Y.

4.



$$YZ=30+1+1, XZ=12+6+6$$

$$XY^2=ZY^2+XZ^2$$

$$XY = 40$$