

1 1. Q1. Which is the first question where c) is the correct answer?  
2 a) Q3  
3 b) Q4  
4 c) Q1  
5 d) Q2  
6  
7 Q2. Which is the first question where a) is the correct answer?  
8  
9 a) Q4  
10 b) Q2  
11 c) Q3  
12 d) Q1  
13  
14 Q3. Which is the first question where d) is the correct answer?  
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16 a) Q1  
17 b) Q2  
18 c) Q4  
19 d) Q3  
20  
21 Q4. Which is the first question where b) is the correct answer?  
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23 a) Q2  
24 b) Q4  
25 c) Q3  
26 d) Q1  
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28 2. Cannibals ambush a safari in the jungle and capture three men. The cannibals give  
the men a single chance to escape uneaten.  
29  
30 The captives are lined up in order of height, and are tied to stakes. The man in the  
rear can see the backs of his two friends, the man in the middle can see the back of  
the man in front, and the man in front cannot see anyone. The cannibals show the men  
five hats. Three of the hats are black and two of the hats are white.  
31  
32 Blindfolds are then placed over each man's eyes and a hat is placed on each man's head.  
The two hats left over are hidden. The blindfolds are then removed and it is said to  
the men that if one of them can guess what color hat he is wearing they can all leave  
unharmd.  
33  
34 The man in the rear who can see both of his friends' hats but not his own says, "I  
don't know". The middle man who can see the hat of the man in front, but not his own  
says, "I don't know". The front man who cannot see ANYBODY'S hat says "I know!"  
35  
36 How did he know the color of his hat and what color was it?  
37  
38 3. A scientist gathered four math students. They were then lined up so that each one  
could see the one in front of them but not behind them. Each had a hat placed on their  
head.  
39  
40 So the student in the back could see the hats of the three students in front, but the  
student in front could not see any hats.  
41  
42 "There is a red hat, a white hat, a blue hat, and a hat that is a duplicate of one of  
those colors," the scientist said.  
43  
44 Starting with the one in the back, each student was asked what color hat they were  
wearing. They all gave the correct answer!  
45  
46 What was the arrangement of the hats that made this possible?