

INTRODUCTION

Alien Logic Problems is designed for the beginning logic problem solver. There are some easy ones that can be used by the beginner or younger problem solver. They progress to more difficult ones to be used as skills increase.

The rudiments can be introduced individually or to a class. I have used the simpler ones in lower primary.

I suggest using the grids for optimum results. I have the younger students mark "X" in the box for a negative response. If it is a positive response, I have them draw an "O" then make it into a "happy face."

	1	2	3
<i>Beep</i>			
<i>Smip</i>			
<i>Week</i>			

Example

Beep, Smip, and Week are in a row. In what order are they sitting?

1. *Beep isn't first.*
 - Mark "X" under 1 in Beep's row.
2. *Week isn't last.*
 - Mark "X" under 3 in Week's row.
3. *One of them tapped Smip on the back to get his attention.*
 - Mark "X" under 3 in Smip's row, as he can't be last if someone tapped him from behind.
 - Make a "happy face" under 3 in Beep's row, as Beep is the only one that can be 3.
 - Make an "X" under 2 in Beep's row. As he is 3, he can't be 2.
4. *Smip cannot see anyone ahead of him.*
 - Make an "X" under 2 in Smip's row. He cannot be 2 because no one is in front of him.
 - Make a "happy face" under 1 for Smip.
 - If Smip is first, Week cannot be first, so make an "X" under 1 in Week's row.
 - That leaves a "happy face" for Week under 2.

	1	2	3
<i>Beep</i>	X	X	☺
<i>Smip</i>	☺	X	X
<i>Week</i>	X	☺	X

1. NEW SHOES

Three aliens from Pilt were very proud of their new Earth shoes. They wore them whenever they went anywhere. The aliens' names were Snurb, Wurb, and Zurb. They chose for shoes rubbish bins, boxes, and canoes. Who was wearing what? (Don't step on any toes.)

1. Zurb laughed when his friend's boxes fell apart when it rained.
2. Snurb had the smallest feet.
3. Wurb told them the one wearing rubbish bins made too much noise when he walked.
4. Zurb laughed when his two friends found their shoes in a lane.



2. TOYTIME

There was never time for play on Nortz. So the aliens Bup, Dup, Gup, and Mup were anxious to get some toys and play. They chose a shoelace, lid, marble, and bike wheel. Who played with what?

1. Gup and the lid player, played games with Bup.
2. Bup liked to watch his toy roll down the hill.
3. Mup and Gup's toys were both rigid.
4. Bup's toy is smaller than Gup's.


