**SOLUTION PAGE**

**THREE-LEGGED RACE**

Last week three sets of classmates (one who was named Stan), participated in the Edison elementary annual three-legged race. Ann, Mary, and Stan were all on separate teams, and finished in some order (1st, 2nd, or 3rd). From the clues below can you determine who paired with whom, and in what order they finished?

**CLUES:**

- All partners were mixed boy-girl.
- Fred did not finish 1st, nor was Ann his partner.
- Sally and her partner won.
- Mary and her partner finished 2nd behind Stan and his partner.

<table>
<thead>
<tr>
<th>The Race</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>Sally</th>
<th>Martin</th>
<th>Fred</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ann</td>
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<tr>
<td>Mary</td>
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<td>Stan</td>
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<td>Sally</td>
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<td>Martin</td>
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<td>Fred</td>
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</tbody>
</table>

(See page 2 for solutions)
### Team:

<table>
<thead>
<tr>
<th></th>
<th>PLACE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STAN-SALLY</strong></td>
<td>1st</td>
</tr>
<tr>
<td><strong>MARY-FRED</strong></td>
<td>2nd</td>
</tr>
<tr>
<td>Ann-Martin</td>
<td>3rd</td>
</tr>
</tbody>
</table>

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**step-by-step:**

Let's look at the first clue *"All partners were mixed boy-girl."*

This will allow us to eliminate the following grid squares: \[\text{Ann-Sally, Mary-Sally, Stan-Martin, Stan-Fred}\] by placing 'red xx' in those squares.

This also leads us to our first team pairing 'Stan-Sally', so go ahead and locate the grid square \[\text{Stan-Sally}\] and add a 'check mark'.

Let's look at the next clue *"Fred did not finish 1st, nor was Ann his partner. ."*

We are actually looking at two clues here:

... *Fred did not finish 1st*

... *nor was Ann his partner.*

For clue 1 look in the chart and find the column with Fred and 1st.

Now fill the grid square \[\text{Fred-1st}\] with a 'red xx'

For clue 2 Find \[\text{Ann-Fred}\] and pencil in a 'red xx'

*NOTE:* (This clue is actually quite useful because it allows us to see that the only possible team-mate for Ann must be Martin, so for the grid square \[\text{Ann-Martin}\] add a 'check mark'.)

*NOTE:* At this point we can eliminate the grid square \[\text{Mary-Martin}\] and reveal the final pair of team mates 'Mary-Fred'. (Fill grid square \[\text{Mary-Fred}\] with a 'check mark'.)

*NOTE:* You may also now exclude Mary from 1st--(since Fred did not finish first, neither can Mary). Locate grid square \[\text{Mary-1st}\] and pencil in a 'red xx' there.

Let's look at the final clue *"Mary and her partner finished 2nd, behind Stan and his partner. ."*

Let's go to the column labeled '2nd', (and keep in mind that what applies to Mary also applies to Fred),
locate the grid squares [Mary-2nd, Fred-2nd] and ensure both are filled with 'check marks'.

*NOTE:* Be sure to eliminate all other grid squares in the '2nd' column [Ann-2nd, Stan-2nd, Sally-2nd, Martin-2nd]) by adding 'red xx' to all appropriate squares.

Lastly we have "....2nd behind Stan and his partner."

Which means Stan and his partner, (which we now know is Sally), actually won the race, leaving the team of 'Ann-Martin' as the third place contestants.

You can now complete the remaining grid squares (if you desire). Congratulations! Puzzle solved.

To summarize:

1ST Place: Stan with his partner, Sally.
2ND Place: Mary with her partner Fred.
3RD Place: Ann with her partner Martin.

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