Five kids were sitting at a table in the library. Under the table was an empty pack of cookies. Crumbs were everywhere. The librarian asked who did it and of course no one admitted their guilt. However, each kid made two statements about who was responsible and the librarian knew that for each kid, one statement was true and the other was a lie:

“Pilar did it!” Eduardo said.
“No she didn’t!” said Carlos.
“Yeah, Eduardo did it,” said Briana
“Of course Eduardo did it,” said Pilar. “That’s why he blamed me!”
“It wasn't Eduardo,” Robert said. “It was Carlos!”
“Actually, now I think it was Robert,” Pilar said.
“Carlos didn’t do it,” Briana said.
“Stop trying to be nice Briana, you know you did it,” said Carlos.
“Briana doesn’t even like cookies,” said Eduardo. “It wasn’t her.”

Can you figure out who made the mess?

This year at our geography bee we had four finalists!

Sophia, Paul, Juan, and Alexandra competed in three categories of geographic knowledge: Countries, Nature, and Architecture. Using these clues, figure out what place each one reached in each category:

The person who came in second in Nature came in third in Architecture
The person who came in second place in Nature came in third in Countries.
The person who came in second in Architecture came in last in Countries.
Alexandra didn’t come in third place in anything.
Juan came in first in two categories, but last in the other one.
Sophia came in second in Countries.
Paul did one place better than Juan in Architecture.

#2: Discovering Who Discovered Their World

This year at our geography bee we had four finalists!

Sophia, Paul, Juan, and Alexandra competed in three categories of geographic knowledge: Countries, Nature, and Architecture. Using these clues, figure out what place each one reached in each category:

The person who came in second in Nature came in third in Architecture
The person who came in second place in Nature came in third in Countries.
The person who came in second in Architecture came in last in Countries.
Alexandra didn't come in third place in anything.
Juan came in first in two categories, but last in the other one.
Sophia came in second in Countries.
Paul did one place better than Juan in Architecture.
Forbidden Cookies

It was Robert! Pilar said that both Eduardo and Robert did it and we know one of those is true. Robert said it was not Eduardo and that Carlos did it. Since we know Carlos didn't do it, that must be the lie. So Robert saying Eduardo didn't do it must be true! Robert caught himself!

Discover Who Discovered Their World

Countries:
First-Juan, Second-Sophia, Third-Paul, Fourth-Alexandra

Nature:
First-Juan, Second-Paul, Third-Sophia, Fourth-Alexandrea

Architecture:
First-Sophia, Second-Alexandra, Third-Paul, Fourth-Juan
Here are 24 puzzles for the game of 24 listed in order from easy to hard! If you get stuck, don’t worry, a lot of these are tough! Some questions may have multiple answers. See if you find any different ones!

<table>
<thead>
<tr>
<th>Medium</th>
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<tbody>
<tr>
<td>7)</td>
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<tr>
<td>8)</td>
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<td>9)</td>
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<table>
<thead>
<tr>
<th>Hardest</th>
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</thead>
<tbody>
<tr>
<td>23)</td>
<td>2,3,12,12</td>
</tr>
<tr>
<td>24)</td>
<td>10,8,12,6</td>
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</tbody>
</table>
1) $6 + 9 + 9 = 24$
2) $36 - 12 = 24$
3) $2 \times 12 = 24$
4) $3 \times 8 = 24$
5) $7 - 2 + 19$
6) $11 + 13 - 12$
7) $(3 \times 4) + 12$
8) $(1 + 1) \times 12$
9) $(3 \times 4) + 12$
10) $(5 \times 4) + 4$
11) $(6 \times 8) / 2$
12) $(7 - 5) \times 12$
13) $(40 + 8) / 2$
14) $(9 - 1) \times 3$
15) $(3 \times 3 \times 3) - 3$
16) $(7 \times 4) - 4$
17) $(2 / 2) \times 1 \times 24$
18) $(1 + 1 + 2) \times 6$
19) $(10 + 30 + 8) / 2$
20) $(14 - 13) \times (2 \times 12)$
21) $(5 + 7) \times (6 - 4)$
22) $(11 - 5) \times 4$
23) $((12 / 3) / 2) \times 12$
24) $((10 - 8) \times 6) + 12$

Use Your Brain

ANSWERS