**Summer** **Camp**

Abigail, Oliver, Rosa, and Blake all attend the same summer camp, where they can cook, kayak, rock climb, and zip-line. Each child has a different favorite activity.

* Abigail’s favorite activity isn’t rock climbing.
* Oliver is afraid of heights.
* Rosa can’t do her favorite activity without a harness.
* Blake likes to keep his feet on the ground at all times.

Can you figure out who likes what?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Cook | Kayak | Rock Climbing | Zip-line |
| Blake | 1 | 0 | 0 | 0 |
| Oliver | 0 | 1 | 0 | 0 |
| Rosa | 0 | 0 | 1 | 0 |
| Abigail | 0 | 0 | 0 | 1 |

|  |  |
| --- | --- |
| Blake | Cooks |
| Oliver | Kayaks |
| Rosa | Rock Climbs |
| Abigail | Zip-lines |

Solution

1. Blake does not like to kayak, rock climb or zip-line because he like to keep his feet on the ground at **all** times. Therefore his favorite activity is cooking.
2. Oliver does not like to rock climb or zip-line because he is afraid of heights. That leaves kayaking for Oliver since Blake likes cooking.
3. Since Abigail’s favorite activity is not rock climbing, the only choice left is zip-lining.
4. Finally, the only available activity left is rock climbing for Rosa which complies with the rule that she has to use a harness for her activity.