**The Long and the Short of It**

Here’s a great logic puzzle for kids: Six neighborhood children (Leisha, Benito, Delia, Charlotte, Weldon, and Zina) were measured yesterday.

* Weldon is taller than Delia but shorter than Zina.
* Leisha is taller than Benito but shorter than Delia and Weldon.
* Benito is not the shortest.

Can you put them in order of height from tallest to shortest?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1 - shortest | 2 | 3 | 4 | 5 | 6 - tallest |
| Leisha | 0 | 0 | 1 | 0 | 0 | 0 |
| Benito | 0 | 1 | 0 | 0 | 0 | 0 |
| Delia | 0 | 0 | 0 | 1 | 0 | 0 |
| Charlotte | 1 | 0 | 0 | 0 | 0 | 0 |
| Weldon | 0 | 0 | 0 | 0 | 1 | 0 |
| Zina | 0 | 0 | 0 | 0 | 0 | 1 |

|  |  |
| --- | --- |
| 6 (Tallest) | Zina |
| 5 | Weldon |
| 4 | Delia |
| 3 | Leisha |
| 2 | Benito |
| 1 | Charlotte |

Solution

1. Benito is not the shortest.
2. From the 1st two bullet points, we know Zina, Delia and Weldon are taller than Leisha and Benito. And Leisha is taller than Benito.
3. We know Weldon is taller than Delia but shorter than Zina, thus Delia>Weldon>Zina in height order.
4. Charlotte must be shorter than Benito since no one else is and Benito cannot be the shortest.
5. So the final order is Charlotte, Benito, Leisha, Delia, Weldon, and then Zina.