**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

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